nnessee Wesleyan Colleg

1965-1966

THE TENNESSEE WESLEYAN COLLEGE BULLETIN

The College welcomes visitors to the campus at any time. During the academic year the administrative offices are open from 8:30 a.m. to 5 p.m., Monday through Friday.

Appointments for interviews with administrative officers should be made in advance, if possible. Interviews may be arranged for Saturday and Sunday by special appointment.

Listed below are the officials to whom inquiries of various types may be sent:

General interests of the College	*The President*
Requests for schedules, transcripts, grades	*The Registrar*
Requests for catalogues, admission information and student aid applications	*The Director of Admissions*
Academic work of students, curriculum, faculty appointments	*The Dean*
Housing, health, social activities, and general student welfare	*The Dean of Students*
Summer School	*The Dean*
Payment of College bills	*The Business Manager*
Testing and Guidance Services	*The Director of Testing*

CATALOGUE ISSUE

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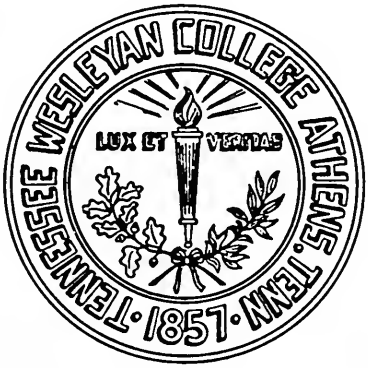
TENNESSEE WESLEYAN COLLEGE

ATHENS, TENNESSEE



1965-1966

A Four-year Liberal Arts College of
The Holston Conference of The Methodist Church
Founded 1857

CLASS OF 1914

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CALENDAR
1964-65

FALL QUARTER

Mon.—Thurs.	September 21-24	Orientation for new students
Wed.—Thurs.	September 23-24	Registration
Friday	September 25	Classes begin (MWF schedule)
Saturday	September 26	Classes begin (TTh schedule)
Friday	October 2	Last day to change registration
Friday	October 30	End of mid-term
Thurs.-Sun.	November 26-29	Thanksgiving holidays
Monday	November 30	Classes resume
Mon.—Thurs.	December 14-17	Fall quarter examinations
Friday-Sunday	Dec. 18-Jan. 3	Christmas recess

WINTER QUARTER

Monday	January 4	Registration
Tuesday	January 5	Classes begin
Tuesday	January 12	Last day to change registration
Saturday	January 23	Classes held (MWF schedule)
Friday	February 5	End of mid-term
Saturday	February 20	Classes held (MWF schedule)
Saturday	March 6	Classes held (TTh schedule)
Fri.—Sat.	March 12—13	
Mon.—Tues.	March 15—16	Winter quarter examinations
Tuesday-Sunday	March 17-22	Spring recess

SPRING QUARTER

Monday	March 22	Registration
Tuesday	March 23	Classes begin
Saturday	March 27	Classes held (MWF schedule)
Tuesday	March 30	Last day to change registration
Saturday	April 10	Classes held (MWF schedule)
Friday-Sunday	April 16-18	Easter recess
Monday	April 19	Classes resume
Friday	April 23	End of mid-term
Monday-Friday	May 31-June 4	Spring Quarter examinations
Sunday	June 6	Baccalaureate Service and Graduation Exercises

SUMMER SCHOOL
June 8 - August 19

CALENDAR
1965-66

FALL QUARTER

Mon.—Thurs.	September 20—23	Orientation for new students
Wed.—Thurs.	September 22—23	Registration
Friday	September 24	Classes begin (MWF classes)
Saturday	September 25	Classes held (TTH classes)
Friday	October 1	Last day to add a course.
Friday	October 29	End of mid-term. Deadline for removing incomplete grades.
Thurs.—Fri.	November 25—26	Thanksgiving Holidays
Monday	November 29	Classes resume
Mon.—Thurs.	December 13—16	Fall Quarter Examinations
Friday-Monday	Dec. 17—Jan. 3	Christmas recess

WINTER QUARTER

Monday	January 3	Registration
Tuesday	January 4	Classes begin
Tuesday	January 11	Last day to add a class.
Saturday	January 22	Classes held (MWF classes)
Friday	February 4	End of mid-term. Deadline for removing incomplete grades.
Saturday	February 19	Classes held (MWF classes)
Saturday	March 5	Classes held (TTh classes)
Fri.—Sat.	March 11—12	
Mon.—Tues.	March 14—15	Winter Quarter Examinations
Wed.—Sun.	March 16—20	Spring recess.

SPRING QUARTER

Monday	March 21	Registration
Tuesday	March 22	Classes begin
Saturday	March 26	Classes held (MWF classes)
Tuesday	March 29	Last day to add a class.
Saturday	April 2	Classes held (MWF classes)
Fri.—Sun.	April 8—10	Easter recess
Monday	April 11	Classes resume
Friday	April 22	End of mid-term. Deadline for removing incomplete grades.
Mon.—Thurs.	May 30—June 2	Spring Quarter Examinations
Sunday	June 5	Baccalaureate Service and Commencement Exercise

SUMMER SCHOOL
June 7 - August 18

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J. J. Nankivell, D.D.S. — *Secretary*

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William P. Biddle
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Vernon Wade	*Vice-President*
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Harold E. White	*Treasurer*

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Frank Gulley, Jr., B.A., B.D., Ph.D.	*Dean*
Jack D. King, B.A., B.D.	*Assistant to the President*
Floyd E. Bowling, B.A., M.S., Ed.D.	*Dean of Students*
Paul Riviere, B.S., M.A., B.D.	*Dean of Admissions and Registrar*
Mary Rogers, B.A.	*Dean of Women*
D. Thomas Lotti	*Business Manager*
G. Douglass Lewis, B.S., B.D.	*Chaplain*
Charles J. Liner, B.S., M.S.	*Director of Admissions*
B. T. Hutson, B.S., M.S.	*Director of Evening College*
Ann P. Puett, B.A., M.A.	*Director of Testing*
M. Clifton Smith, B.S., M.S.	*Director of Athletics*
Mary Nell Graves	*Administrative Secretary*

FACULTY* 1964-65

Ralph W. Mohney — President of the Faculty (1959)
B.A., Transylvania College; B.D., Vanderbilt University; S.T.M., Boston University; D.D., Emory and Henry College.

PROFESSORS

Floyd E. Bowling — Professor of Mathematics and Chairman of the Division of the Natural Sciences (1959)
B.A., Lincoln Memorial University; M.S., University of Iowa; Ed.D., University of Tennessee.

Frank Gulley, Jr. — Professor of Religion and Philosophy and Chairman of the Division of Religion and Philosophy (1962)
B.A., University of Kentucky; B.D., Emory University; Ph.D., Vanderbilt University.

Carl B. Honaker — Professor of Chemistry and Physics (1951)
B.S., Concord College; M.S., Ph.D., University of Tennessee.

Harry G. Merrill — Professor of English and Chairman of the Division of Language, Literature, and the Fine Arts (1964)
B.A., M.A., Ph.D., University of Tennessee.

Mark Schafer — Professor of Political Science and History and Chairman of the Division of the Social Sciences (1963)
B.A., Syracuse University; M.A., Ph.D., University of Geneva (Switz.)

ASSOCIATE PROFESSORS

Mildred Archer — Associate Professor of English (1959)
B.A., East Tennessee State University; M.A., University of Tennessee.

William H. Archer — Associate Professor of Foreign Languages (1959)
B.A., University of California; M.A., University of Tennessee.

*Charles A. Browning — Associate Professor of Physics (1962)
B.S., Centre College; M.A., University of Chicago.

Harry W. Coble — Associate Professor of Speech and Drama (1956)
B.A., M.A., University of North Carolina; B.L.I., Emerson College.

J. Van B. Coe — Associate Professor of Economics and Government (1947)
B.A., M.A., Syracuse University.

Andrew H. Harper, Jr. — Associate Professor of Music (1962)
B.A., Furman University; M.M., Florida State University; candidate for Ph.D. degree, University of Indiana.

B. T. Hutson — Associate Professor of Business Administration (1956)
B.S., M.S., University of Tennessee.

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*The date of each person's appointment to the faculty immediately follows his title.
*Deceased, August 2, 1964.

Claryse D. Myers — Associate Professor of Library Science (1951)
B.A., Texas State College for Women; B.S. in L.S., M.A., George Peabody College for Teachers.

J. Emerick Nagy — Associate Professor of Education and Chairman of the Division of Education and Applied Arts (1962).
B.S., B.A., Lewis Institute of Technology; M.A., Ed.D., George Peabody College for Teachers; Post doctoral study, Exeter College (Oxon).

M. Clifton Smith — Associate Professor of Education, Mathematics, and Science (1955).
B.S.. Carson-Newman College; M.S., University of Tennessee.

Jack H. Wilson — Associate Professor of Religion (1962)
B.A., University of Tennessee; B.D., Ph.D., Emory University.

ASSISTANT PROFESSORS

William B. Cate — Assistant Professor of Physical Education (1958)
B.S., M.A., Western Kentucky State College.

Budd Duncan — Assistant Professor of Chemistry (1961)
B.S., Macalester College; M.S., South Dakota State College of A. and M.

Mary Greenhoe — Assistant Professor of Piano and Organ (1954)
B.M., Shorter College; M.M., Oberlin College.

Louise I. Harms — Assistant Professor Library Science (1964)
B.S., University of Alabama; B.S. in L.S., George Peabody College.

G. Douglass Lewis — Assistant Professor of Religion (1964)
B.S., University of Tennessee; B.D., Vanderbilt University; candidate for Ph.D. degree, Duke University.

Herbert B. Neff — Assistant Professor of Education (1964)
B.A., Anderson College; M.A., Kent State University.

Fred Puett — Assistant Professor of Business Administration (1953)
B.S., University of Tennessee; LL.B., Neal College of Law.

Eugene E. Rock — Assistant Professor of Education (1964)
B.S., University of Pittsburgh; M.E., Kent State University.

Harrylyn G. Sallis — Assistant Professor of Music (1960)
B.A., Southwestern at Memphis; M.M., University of Kentucky.

W. Charles Sallis — Assistant Professor of History (1960)
B.S., M.S., Mississippi State University; candidate for Ph.D. degree, University of Kentucky.

John J. Schaller — Assistant Professor of Physics (1964)
B.S., New Mexico State University; M.S., Michigan State University.

C. Courtney Senn — Assistant Professor of Mathematics (1963)
B.S., U. S. Naval Academy; M.A.T., Duke University.

Alton Smith — Assistant Professor of Mathematics (1960)
B.S., Middle Tennessee State College; M.A., University of Illinois.

Genevieve Wiggins — Assistant Professor of English (1961)
B.A., University of Chattanooga; M.A., Vanderbilt University.

William B. Yates — Assistant Professor of Speech (1961)
B.A., Tennessee Wesleyan College; M.A., University of Tennessee.

INSTRUCTORS

Ruth Bishop — Instructor of Biology (1964)
B.A., Midwestern University; M.S., Iowa State University.

Carolyn F. Bradley — Instructor of Biology (1962)
B.A., LaGrange College.

John S. Eckman — Instructor of English (1964)
A.B., Central Missouri State College; M.A., University of Tennessee.

Martha K. Hedley — Instructor of Business (1963)
B.B.A., Memphis State University; M.S., University of Tennessee.

Doris L. Jones — Instructor of English (1963)
B.A., Georgetown College; M.A., East Tennessee State College.

Paul Ketron — Instructor of Mathematics (1963)
B.S., Tennessee Wesleyan College; M.Math., University of South Carolina.

Robert Mathis — Instructor of History (1962)
B.S., M.S., University of Southern Mississippi.

Mary Rogers — Instructor of Physical Education (1964)
B.A., Southwestern at Memphis.

Carolyn F. Staley — Instructor of Physical Education (1960)
B.S., University of Tennessee.

Yvonne Traylor — Instructor of Foreign Languages (1964)
B.A.. University of Alabama.

SPECIAL INSTRUCTORS

Abraham Feinstein — Special Instructor of the History of Judaism (1956)
B.A., College of the City of New York; M.A.. University of Cincinnati; D.D., Hebrew Union College.

Martha B. Hale — Special Instructor of Art (1929)
Sayre College; Cooper Union Art School; Art Student's League, New York City; The School of Dynamic Symmetry at the Jay Hambridge Art Foundation, Georgia; Burnsville Painting Classes, Burnsville, North Carolina.

Ann Puett — Special Instructor of Art and Director of Testing (1959)
B.A., Tennessee Wesleyan College; M.A., University of Tennessee.

RELATED STAFF MEMBER

F. Heisse Johnson, B.A., B.D., Ph.D. — Director of Christian Higher Education and Development for Colleges of The Holston Conference of The Methodist Church

RETIRED FACULTY AND STAFF

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C. O. Douglass, B.A., M.A.	Registrar
Elizabeth A. Brubaker	Dean of Women
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James W. Baldwin, B.A., M.A., Ph.D.	Professor of Education
Louis C. Jordy, B.S., M.S., B. PED., Ph.D.	Professor of Chemistry
George A. Yates, B.A., M.A.	Professor of Mathematics
T. G. Richner, B.A., M.A., Ph.D.	Associate Professor of Modern Languages
E. G. Rogers, B.S., M.A.	Associate Professor of Education
Bessie Huntzinger	Superintendent of Lawrence Hall

STAFF

Merner-Pfeiffer Library

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Louise I. Harms, B.S., B.S. in L.S.	Assistant Librarian
Betty Carolyn Ward, B.S.	Assistant to the Librarian
Vera Coe	Assistant to the Librarian
Maggie Ensminger	Assistant to the Librarian
Elizabeth Reed, B.A.	Assistant to the Librarian
Mary Kate Wohlwend	Secretary to the Librarian

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Mildred Smith	Manager of the Bookstore

Athletic Program

M. C. Smith	Director of Athletics
William Boyd Cate	Coach of Intercollegiate Basketball
J. Van B. Coe	Coach of Intercollegiate Tennis

Infirmary

Dixie C. Liner, R.N.	Nurse

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Carolyn Williams	Secretary to the Registrar
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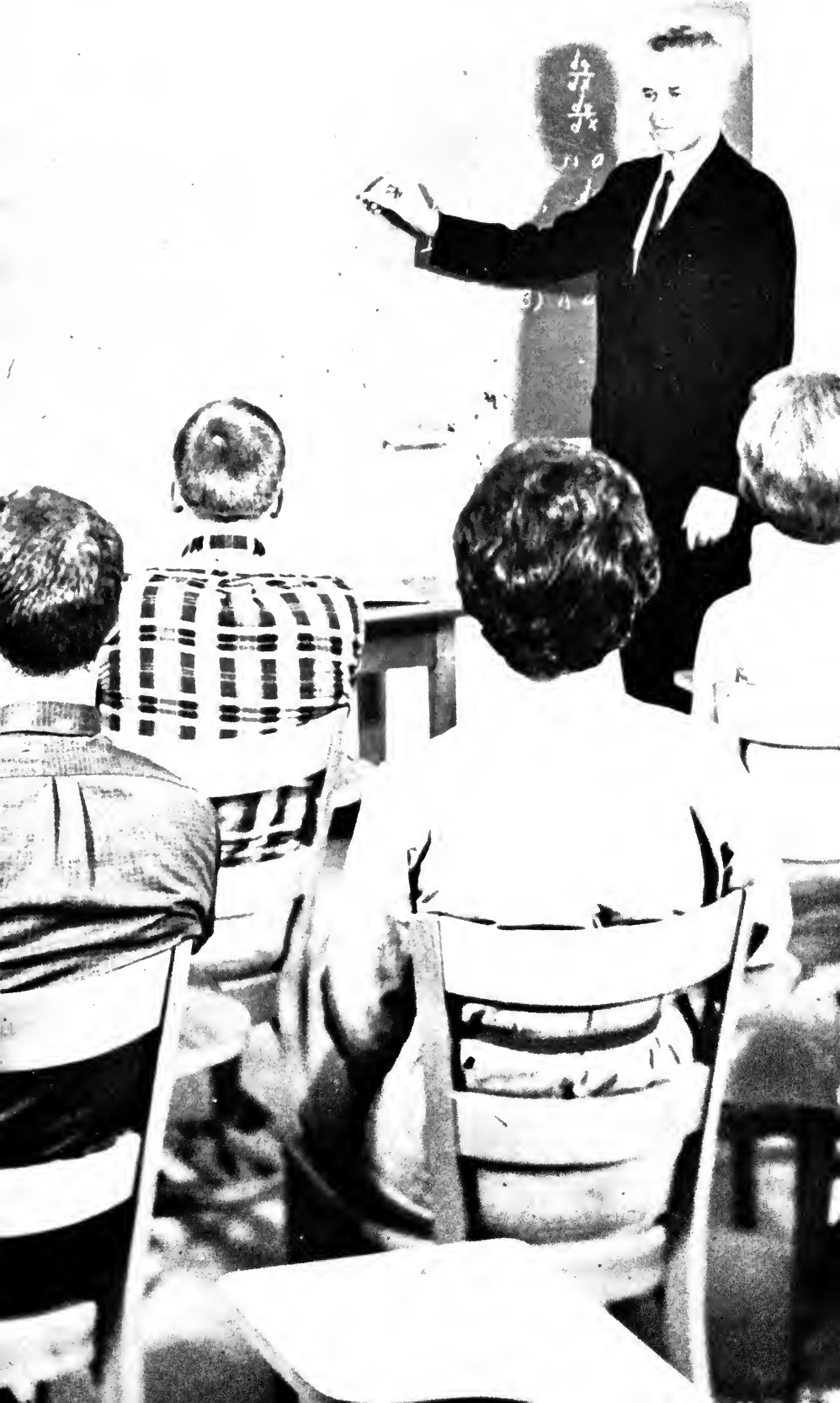
Sally Robeson	Centennial Hall
Blanche L. Greene	Fowler Hall
Reba Parsons	Relief Head Resident
Budd Duncan	Petty-Manker Hall
Margaret Van Huss	Ritter Hall



THE PURPOSES AND AIMS OF A CHRISTIAN COLLEGE

"A church college is the only kind of higher education that cares in any central way — and all the difference is in that one word 'central' — about what the churches themselves exist for. They hold in common with the churches, that there is an intelligence behind all life, an intelligence whose highest quality is that of love. They hold there was a great event in history, when God shone in the face of Jesus Christ and was revealed to men in a life so magnificent that it deserved to triumph over death. They hold that God works through history and through men given the creative gift of freedom and the great gift of mercy.

"These are immense and overwhelming beliefs. If you hold them at all they simply have to be at the center. No man or institution can hold them without putting them there. And this is where the church college is wholly and legally free to put them. It stands in high treason to its own intelligence if it does not.

* * *

"The only justification of a church college lies in its effort to be a Christian community. Its quiet, daily task is to suggest the unity of its own self — a unity strong enough, when it really exists, to admit of the richest diversity. If it says anything, if it implies anything, it is this: that the mind of the world is the mind of God, and that the truth of the world is His truth. Life is not a fragmented, parcelled thing of shreds and patches, with its secular and sacred compartments. It belongs to the divine Lord who made it. His is the 'force that through the green fuse drives the flowers' and binds the stars and warms the hearts of men. And life on a church college campus is or should be the life of a community permeated and informed by a central faith — a faith strong enough to give it commitment, tolerance, the power to laugh at itself, the high seriousness of noble endeavor, and the generous bond of Christian love. It was out of some such sense that Professor Clarke, of Earlham, said that a church college does not 'have a religious program. It is a religious program.' "*

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*Howard F. Lowry, Address given at First Quadrennial Convocation of Christian Colleges, June 20-24, 1954. *The Christian Scholar*, Autumn, 1954. Quoted by permission of President Lowry and *The Christian Scholar*.

PURPOSE

The purpose of Tennessee Wesleyan College is to guide students in the search for Truth, Christian values, personal initiative, social consciousness, aesthetic appreciation, intellectual integrity, and scientific methods of inquiry. The College is dedicated to the highest traditions of excellence in Christian higher education.

AIMS

1. To provide a well-rounded foundation of learning.
2. To develop creative thinking and to stimulate intellectual curiosity.
3. To encourage spiritual consciousness and commitment to Christian principles.
4. To develop individual talents for leadership and responsible citizenship.
5. To recognize the importance of a sound body as well as a sound mind.
6. To develop poise and maturity in social relationships.
7. To inculcate respect for the dignity and worth of human mind and spirit.
8. To contribute intellectual and spiritual leadership to the community.

TOWNSEND
EMORIAL HALL

AN INTRODUCTION TO TENNESSEE WESLEYAN COLLEGE

HISTORICAL SKETCH

Tennessee Wesleyan College has been related to one of the branches of the Methodist Church during its entire history. It was organized as Athens Female College in 1857 under the sponsorship of the Holston Conference of the Methodist Episcopal Church, South. In 1866 the institution was transferred from the Methodist Episcopal Church, South to the Methodist Episcopal Church and chartered under the title of East Tennessee Wesleyan College. The following year the name was changed to East Tennessee Wesleyan University; in 1886 to Grant Memorial University; in 1889 to U. S. Grant University, with divisions in Athens and Chattanooga; and in 1906 to The Athens School of the University of Chattanooga. In 1925 the school was separated from the University of Chattanooga and given independent status with a charter issued by the State of Tennessee. Since 1925 it has been known as Tennessee Wesleyan College.

Although organized as a college of liberal arts, the institution operated as a junior college from 1925 until 1954. On May 11, the Board of Trustees approved a senior college program. This decision was unanimously approved by the Holston Annual Conference on June 3, 1954. The college awarded its first baccalaureate degrees June 1, 1957, in connection with its 100th Anniversary celebration.*

In October, 1961, the Tennessee Wesleyan College Board of Trustees formally launched a Decade of Destiny Program (1961-1971) by awarding contracts totaling more than 1.1 million dollars for the erection of two new campus buildings. These buildings, the Sherman Fine Arts College Center, and the Lucy Hornsby Fowler Residence Hall for Women, were completed in the fall of 1962.

The buildings are an integral part of the comprehensive program of institutional advancement projected during the first decade of Wesleyan's second century of services. There are three major emphases in the Decade of Destiny Program. They involve (1) a College Renewal Program which should enable Tennessee Wesleyan College to double the size of its campus, (2) a five million dollar building program, a major portion of which is to be realized during the first years of the decade and (3) an intensive effort to meet rising operational costs through gifts and bequests to endowment and through increased annual gifts to operations.

*It was accredited in 1958 by The Southern Association of Colleges and Schools and was elected to membership in The Association of American Colleges in 1959.

PRESIDENTS OF TENNESSEE WESLEYAN COLLEGE

The Reverend Erastus Rowley, D. D.	1857-1866
Percival C. Wilson, A. M.	1866-1867
The Reverend Nelson E. Cobleigh, D. D.	1867-1872
The Reverend James A. Dean, D. D.	1872-1875
The Reverend John J. Manker, D. D.	June 1875-October 1875
The Reverend John F. Spence, D. D., LL.D.	1875-1893
Bishop Isaac W. Joyce, D. D., LL. D. Chancellor	1891-1896
The Reverend John H. Race, A. M., D. D.	1897-1913
The Reverend Fred W. Hixson, A. B., D. D.	1914-1920
The Reverend Arlo Ayres Brown, D. D., LL. D.	1921-1925
James L. Robb, M. A., LL. D.	1925-1950
The Rev. LeRoy A. Martin, S. T. B., M. A., D. D., LL. D.	1950-1959
The Rev. Ralph W. Mohney, B. A., B. D., S. T. M., D. D.	1959-

RELATION TO THE METHODIST CHURCH

Tennessee Wesleyan College is owned and operated by the Holston Annual Conference of The Methodist Church and receives funds through Conference benevolences for its support. It is also supported by the Woman's Division of Christian Service of the Board of Missions of The Methodist Church.

ACADEMIC STANDING

Tennessee Wesleyan College is fully accredited as a senior college.

Its program has been approved by the following accrediting agencies:

The Southern Association of Colleges and Secondary Schools
The Tennessee State Board of Education
The University Senate of The Methodist Church

The College is a member of:

The Association of American Colleges

It also holds membership in the following educational organizations:

American College Public Relations Association
American Council on Education
American Alumni Council
Association of Teacher Education Institutions
National Accrediting Association
National Association of Schools and Colleges of The Methodist Church
National Education Association
Council of Protestant Colleges and Universities
National Association of Student Personnel Administrators

LUCY HORNSBY FOWLER
HALL

THE FACILITIES OF THE COLLEGE

The campus covers more than twenty-four acres and is located two blocks north of the Public Square in Athens.

Old College Hall, erected in the early 1850's, is the original building on the campus. Its three floors provide classroom and office space.

Elizabeth Ritter Hall provides facilities for offices and classrooms for the Departments of Business Administration and Education.

C. H. Banfield Memorial Hall, erected in 1901, provides facilities for the Science Departments.

Blakeslee Hall, a gift to the college in 1905 by Mr. and Mrs. C. S. Blakeslee of Macksburg, Ohio, is the residence of the President.

Townsend Memorial Hall, erected in 1924, rededicated in 1951 in memory of the late Colonel W. B. Townsend, generous benefactor of the college, provides office space for the administrative officers of the college. It also houses an auditorium seating 860, an auditorium seating 300, and an infirmary.

The Merner-Pfeiffer Library, erected in 1941, underwent extensive renovation and expansion during the summer of 1962. The whole building was converted to make its service to the academic community and the general public more efficient. Generous gifts from the Board of Education of The Methodist Church and the Kellogg Foundation have made possible expansion both in plant and in holdings.

On the ground floor are a browsing room and smoker, the Cooke Collection of historical material, a seminar room, and a new periodicals room. The main floor provides space for the general collection of books shelved in two levels of open stacks and in the North reading room, while the reference collection is housed in the South reading room. Offices and workrooms occupy other space on the main floor.

The library now contains more than 35,000 books and 250 current magazines, plus back files of some 100 bound titles and the *New York Times* on microfilm from January 1, 1954, to the present.

James L. Robb Gymnasium, erected in 1949, and named in honor of Dr. James L. Robb, former President of the College from 1925-1950, contains a modern basketball court, physical education equipment, offices and dressing rooms and lockers for men and women. It is equipped with bleacher seats for 1500 persons. The gymnasium was made possible by funds from the United College Movement of the Holston Conference of The Methodist Church, a bequest of $62,500 from the estate of Colonel W. B. Townsend, gifts from Mrs. Henry Pfeiffer, and from the community of Athens.

Moffitt Hall, named in memory of Miss Frances C. Moffitt, for forty-two years head of the Piano Department of the college, houses art studios, offices for the English faculty, and an exhibit hall.

Edith Manker Patten House, faculty residence at 315 Jackson Street, N.E., is named in memory of Mrs. John A. Patten, of Chattanooga, trustee and generous benefactor of the College.

Samuel C. Brown House, located at 211 Green Street, N.E., is named in memory of Judge Samuel C. Brown, member of the Class of 1886 and incorporator of 1925.

Wright Hall, faculty apartments located at 319 Jackson Street, N.E., is named in memory of Dr. William A. Wright, member of the Class of 1878, and long-time Dean of the College.

William M. Dye House, located at 508 Green Street, N.E., is named in honor of Dr. William M. Dye, former trustee and generous contributor.

The Sherman Fine Arts College Center, which opened in the fall of 1962, memorializes Mrs. Laura T. Sherman and commemorates Mr. Tom Sherman's long interest in and support of this project. The building is located on College Street across from the College arch. The east wing of the structure houses the T.W.C. choir rehearsal room, five classrooms, nine practice rooms, three music studios, a record library and listening room. The west wing houses a soda shop seating 125 persons, a bookstore, post office, a day students' lounge, offices for the Dean of Students, Dean of Women, and the Chaplain, and a small prayer chapel. The center section consists of a large dining hall seating some 400, a private dining room for faculty and guests, and a student lounge. Funds for the erection of the building have been provided by Mr. Tom Sherman, the Holston Conference Expansion Crusade, interested friends and foundations.

The Fisher Hall of Science, expected to cost more than $500,000, will replace the presently inadequate facilities in Banfield Hall. Construction of the new hall is scheduled for 1964-65, depending upon the identification of all major sources of funds. The structure will provide a minimum of 20,000 square feet of floor space. The lower floor will

Merner-Pfeiffer Library
Tennessee Wesleyan College

house offices and classrooms of the department of physics; the second floor will house biology laboratories and offices; and the third floor will provide facilities for the department of chemistry.

STUDENT HOUSING

Elizabeth Ritter Hall, erected in 1891, has for many years served as a residence hall for women. The hall has forty-five rooms to house students, recreation rooms, and a library. Beginning with the Fall Quarter, 1964, the building was appropriately sub-divided to house men and women.

Petty-Manker Hall, erected in 1913, a gift of Mr. and Mrs. John A. Patten, of Chattanooga, and the citizens of Athens, is a residence hall for men.

Sarah Merner Lawrence Hall, erected in 1942, through a gift by Mrs. Henry Pfeiffer of New York City, in honor of her sister, Mrs. Sarah Merner Lawrence, is a residence hall for women. It will house forty-seven persons.

Ingleside Apartments, previously known as Ingleside Motel, is an off-campus residence for married students.

Centennial Hall, a residence hall for 122 men, erected in 1957-58, is named to commemorate Tennessee Wesleyan's one hundredth anniversary as a Methodist educational institution.

The Lucy Hornsby Fowler Residence Hall For Women, completed in the fall of 1962, is named in memory of Lucy Hornsby Fowler and commemorates the long-standing ties between Tennessee Wesleyan College and the Hornsby and Fowler families. Located on the former Cooke property on Green Street, the building was built with funds provided by the Fowler family. This new residence houses 128 women and includes facilities for housemothers. There are also a formal lounge, two study lounges, and a recreational lounge.

HOUSING REGULATIONS

The College maintains residence halls for both men and women. Students who do not live with relatives are required to live in one of the college dormitories and to take their meals in the college cafeteria. When the dormitories are filled, the Dean of Students may give permission for students to live off campus in housing approved by him. Permission for such change is to be reviewed quarterly.

Occupants of college residence halls must furnish bed linens, pillows, and towels. They must abide by the residence hall regulations as shown in the student handbook. Since the Dean of Students makes residence

assignments, all correspondence concerning housing should be directed to him.

Dormitory reservations by new resident students must be made according to the following schedule:

For Fall Quarter — before May 31
For Winter Quarter — before October 31
For Spring Quarter — before January 31

At the time a resident student applies for admission he must forward a deposit of $50.00. $40.00 of this amount will be credited to the student's account. If the student is not admitted or decides not to enroll, this deposit will be refunded if requested in writing. Refunds will not be made:

After May 31 — for the Fall Quarter
After October 31 — for the Winter Quarter
After January 31 — for the Spring Quarter

Students already enrolled must make room reservations for the Fall Quarter by May 1 and make a deposit with the Business Office in the amount of $25.00. This amount is credited in full to the student's account.

CAMPUS LIFE AND ACTIVITIES

RELIGIOUS LIFE

The College recognizes the importance of the study of religion in its application to personal life and social relationships. It strives to encourage a Christian understanding and commitment through classroom instruction, chapel services, and various Christian student organizations which give the student a chance to express his religious interests and develop Christian leadership.

A compulsory chapel service is held each week for all students. In these services and in spiritual life retreats and special religion-in-life weeks, the attention of the student body and faculty is focused upon the essential nature of the Christian faith. Outstanding leaders are brought to the campus throughout the year to conduct worship services and lead discussion groups.

The Student Christian Association, under the sponsorship of the *Religious Life Council,* meets once a week for study and services of worship. The Association sponsors several community and world projects, deputation teams to area colleges and churches, and recreational and social events. Each student is a member of the Association.

Tennessee Wesleyan College offers pre-professional training for missionaries, ministers, directors of Christian education, and other church

leaders. *Chi Rho* is the organization which serves the interests of men and women who have dedicated their lives to a church vocation. *Chi Rho* meets monthly.

Students and faculty are encouraged to become active members of a community church and to attend regularly.

CULTURAL LIFE

The College offers to students throughout the year extra-curricular contact with the fine arts through performances by visiting musicians, actors, dancers, lecturers, and through departmental productions and recitals by faculty members and students. During recent years outstanding events in this area have included:

College Productions: The Male Animal, Our Town, The Glass Menagerie, John Brown's Body, Kismet, Brigadoon, South Pacific, Inspector General, Antigone, The Pirates of Penzance, Twelfth Night, My Fair Lady.

Visiting Artists and Lecturers: Roland Hayes, tenor; Martin Ochs, editor, The Chattanooga Times; C. Eric Lincoln, author-lecturer; The Theatre Men, chorus; Nathan Twining, pianist; I Musici, chamber orchestra; Carmen Cavallaro, pianist with orchestra; The Bishop's Company, drama group; Alabama String Quartet; Marilyn Dubow, violinist; Brown and Dana, folk singers; Robert MacDonald, pianist; Jose Molina's Spanish Ballet.

STUDENT ORGANIZATIONS
SOCIAL

Three sororities and three fraternities have chapters at Tennessee Wesleyan College. The sororities are *Alpha Xi Delta, Kappa Delta,* and *Sigma Kappa.* The fraternities are *Phi Sigma Kappa, Pi Kappa Phi,* and *Sigma Phi Epsilon.* A "C" average (2.00) the preceding quarter is required to hold office. Students are invited to become members of the sororities through a system of preferential bidding. The fraternities invite students to become members through a direct bidding system. Both fraternities and sororities have college approved sponsors. The sororities are administered by a Panhellenic Council, and the fraternities are administered by an Interfraternity Council.

Students who are not members of any fraternity or sorority on the campus have the opportunity to join *The Independents.* The primary purpose of the latter is sponsorship of the intramural athletic program.

SERVICE

Circle K, a service organization for college men sponsored by the Kiwanis Club, was chartered on the campus in April, 1962. Circle K is a leadership and character-building group which serves the campus

and the community. Membership is open to all male students of T.W.C. who are considered full-time students. Membership is by invitation only, and the qualities considered in ascertaining eligibility are character, scholarship, and leadership. Membership must never exceed 10 percent of the male enrollment of Tennessee Wesleyan College.

Fourteen select Tennessee Wesleyan students are elected annually to a campus organization known as the *T. W. C. Ambassadors*. Members of the organization serve as official hosts for all college events related to the Offices of Development, Admissions, and Alumni Relations. In addition, they participate in the high school visitation program conducted by the Admissions Office.

The *Student Government* of Tennessee Wesleyan College serves as liaison between the Student Body, Faculty, and the Administration. Matters of student concern are presented to the Legislative Council of the Student Government for action; appropriate resolutions may then be presented to the Faculty and Administration for their consideration. Candidates for election to the Legislative Council must have an accumulative average of at least 2.24 and be full-time students. All officers of the Student Government and all class officers are elected by a simple plurality of votes cast. At the beginning of the year, the student leaders attend a retreat designed to acquaint faculty and students with problems and plans for the year ahead. The Student Government has continued its practice of assisting in freshmen orientation, sponsoring post-ball game dances, and participating in assembly programs. The Student Government serves to increase the sense of community among students and to aid the administration of the College in interpreting policies.

Cheerleaders are elected in the spring by popular vote of the student body. All girls maintaining a "C" average (2.00) are eligible to try out. Prior to election, a practice period of two weeks is held under the direction of the head cheerleader and the cheerleaders' sponsor.

ACADEMIC

The Eta Omega chapter of *Beta Beta Beta,* a national honorary biological society, was installed at Tennessee Wesleyan College in the spring of 1962. Members are chosen on the basis of scholastic achievement and the attainment of high ethical and moral ideals. A student must have completed a minimum of 15 quarter hours of biology to be considered for membership. The purpose of this organization is to stimulate sound scholarship, to promote the dissemination of scientific truth, and to encourage investigation in the life sciences. Activities include regular meetings, outings, and attendance at regional meetings by appointed delegates.

The Tennessee Theta Chapter of the National Social Science Honor Society, *Pi Gamma Mu,* was installed at Tennessee Wesleyan College in the spring of 1962. Pi Gamma Mu has undertaken the task of encouraging the study of the social sciences by stimulating interest in them

among students and faculty. The privilege of membership is granted to those who have shown unusual interest and aptitude in the study of such sciences. Monthly meetings and worthwhile programs are designed to further the general aims of the organization.

Organized in 1957, the college music fraternity, *Delta Rho Mu,* consists of students who have six or more hours credit in music and who have maintained a "B" (3.00) average in music and who are working toward a more varied and higher quality of musical activity on the campus.

Pi Kappa Delta is an Honorary Forensic Society. The initial letters of the Greek phrase *Peitho Kale Dikaia* signify "the art of persuasion, beautiful and just."

The purpose of the organization is to stimulate progress in and to further the interests of intercollegiate speech activities and communication in an effort to provide functional leadership training for life, and at the same time to encourage a spirit of fellowship, brotherly cooperation, and incentive for achievement.

The Society for the Advancement of Management was organized at Tennessee Wesleyan College in 1959 for all students of business administration and any other students interested in the field of management. The purpose of SAM is to promote study and understanding of the social, psychological, and economic implications of scientific principles of modern management through research, discussion, publications, and other appropriate means.

In the fall of 1958 a group of students and faculty members organized a discussion group — *Wesleyan Round Table* — concerned with issues in domestic and in foreign affairs. The discussions have had wide appeal among students and faculty.

ATHLETICS

The College stresses the importance of physical training for both men and women. Physical education is required of all students in the first two years, except those who furnish a physician's certificate that they cannot qualify and veterans with one full year of active service.

The College makes provision through its athletic program for intercollegiate basketball, baseball, and tennis, and also provides an extensive intramural program in several sports.

The Women's Athletic Association is organized to encourage voluntary athletic programs and group sports for women. Any girl in the College is eligible for membership in this group and is cordially welcomed into its activities. The W.A.A. is the sponsor and the advisor of the intramural programs for girls. In the past, intramural competition has been held among the girls in sororities and girls in the Independents in the following sports: field hockey, volleyball, basketball, archery, tennis, and softball.

Students are given free admission to all campus athletic events.

CHOIR

The Tennessee Wesleyan College Choir is one of the most active groups on the campus. All students are eligible to apply for admission to the choir through audition. The choir presents sacred and secular concerts for the College and the community as well as for many churches and high schools in Tennessee, Georgia, and Virginia.

PUBLICATIONS

Students are invited to serve on the staff of *The New Exponent*, the student newspaper, and the staff of the *Nocatula*, the college yearbook. The editors of these publications are chosen by the staffs of the respective publications.

HEALTH PROGRAM

The College has on its regular staff a nurse who is subject to call to any of the residence halls. The College also has a working agreement with eleven physicians and surgeons of Athens whereby students are given medical care at a reasonable rate. The medical service covers up to $3.00 per visit for a total of three routine calls per quarter to the physician, but does not cover the cost of hospitalization, surgery, X-rays, or drugs.

Plans for hospitalization and accident insurance are available through the Tennessee Hospital Service Association and the Maryland Casualty Company, respectively, upon individual application at the time of registration.

STANDARDS OF CONDUCT

The College expects all students to uphold the ideals of a Christian college community. Students who do not appreciate such standards should not register in the College.

By registering in the College the student agrees to abide by the regulations of the College found in the catalogue and the student handbook, and by other decisions of the faculty made from time to time.

The use or possession of intoxicants either on or off the campus is absolutely forbidden. Likewise, gambling in any form or the possession of firearms or explosives is absolutely prohibited. Failure to observe these regulations will lead to dismissal.

Resident freshmen students and upperclassmen on probation are not permitted to have automobiles.

A student apprehended in the act of cheating will receive an "F" in the course. This rule applies also to students proven guilty of plagiarism. Students guilty of a second offense involving cheating, in addition to receiving an "F" in the course, will be brought before the Discipline Committee for disciplinary action.

ADVISORY PROGRAM

The advisory program is designed to help the student discover his abilities, interests, and vocational aptitude. To that end each full-time student is assigned to a faculty member who will guide him in discovering his potential.

During the Orientation program in the fall each student is given a series of tests designed to aid his advisor in counseling him.

The student is encouraged to consult his advisor concerning any problem, academic or personal.

HONORS LIST AND DEAN'S LIST

To encourage outstanding scholastic achievement the College issues two lists each quarter: the Honors List and the Dean's List.

1. *Honors List*—Students who are registered for twelve or more quarter hours and maintain a minimum scholastic quality point average of 3.75 are eligible for the Honors List.
2. *Dean's List*—Students who are registered for twelve or more quarter hours and maintain a scholastic quality point average of 3.00 to 3.74 are eligible for the Dean's List.

When a student has made the Honors List or Dean's List, a notation to this effect is made on his permanent record. Unlimited cuts are granted to students who are on the Honors List.

HONORS AND AWARDS 1963-1964

The W. B. Townsend Prizes ....Sue Ella Hankins, Knoxville, Tennessee
Sam Thomas Burnett, Nashville, Tennessee
Awarded to the young man and young woman from the senior class chosen as the most representative students of the College.

The H. J. Wilson Jewelry Company Awards
Betty Jean Douglas, Madisonville, Tennessee
Ross Vernon Jennings, Kingsport, Tennessee
Given annually to the young man and young woman in the senior class making the highest academic average during the four years of attendance at the College.

The Balfour Award .....Horace Maynard Ellis, III, Athens, Tennessee
Given annually to an outstanding junior whose work is characterized by loyalty, scholarship, and leadership.

The President's Prize .....Judith Kay Jones, Kingsport, Tennessee
Given annually to the student who has manifested the most cooperative spirit as a student employee.

The Dean's Award .....Sam Thomas Burnett, Nashville, Tennessee

Given annually to the member of the Student Council making the most significant and outstanding contribution to the life of the College.

The Mrs. Febb E. Burn Prize ..... Kappa Delta
Given to the sorority making the highest scholastic average for the year.

The Whitehead Prize ..... Sigma Phi Epsilon
Given annually to the fraternity making the highest scholastic average for the year.

The Herman Hickman Award ... John Oliver Saylors, Crossville, Tennessee
Given, at the discretion of the English department, to a student who shows unusual ability in English and in athletics.

The Victorian Poetry Award ..... Not awarded
Given for excellence in the study of Victorian poetry.

The Gilbert E. Govan Award
Donald Robert Knight, Oak Ridge, Tennessee
Given for excellence in English to a graduating English major who plans to continue his education by going to graduate school. This award is available annually but will be given at the pleasure of the faculty of the English department.

The Jessie Jones Harkness Award
Margaret Alice Hughes, Charleston, Tennessee
Given annually to the student who has shown a sincere interest in Tennessee and Southern literature.

The Dell A. Biggs Award ..... Beulah Ailene Everett, Athens, Tennessee
Given annually to the third quarter sophomore who has done outstanding work in the basic English courses.

The Walter Clyde Curry Award
Phyllis Shadden Brock, Englewood, Tennessee
Given annually for outstanding achievement in the study of medieval English literature.

The Clem J. Jones Prize
Brenda Frances Burger, Tellico Plains, Tennessee
Given annually to the student making the greatest progress in freshman English during the year.

The Kenneth L. Knickerbocker Award
Philip Crockett Morris, Cleveland, Tennessee
Given for excellence in the study of Victorian poetry.

The Alwin Thaler Shakespeare Award
Donald Robert Knight, Oak Ridge, Tennessee
Given for excellence in the study of Shakespearean drama.

The Natalie Teeples Award
Karen Treher Gillikin, Chattanooga, Tennessee
Available annually and is given to a student who shows unusual and outstanding interest, diligence, achievement, and proficiency in a foreign language.

The Cherokee Hardware Company Prize
Sue Ella Hankins, Knoxville, Tennessee
Given annually to the student showing the most improvement in speech.

The Tom Sherman Prize ..... Judith Kay Jones, Kingsport, Tennessee
Given annually for outstanding work in music.

The Mrs. Frank Riggs Award ..... Jo Lynne Woods
Given annually to the student making the most improvement in public school arts.

The Fielding P. Sizer Prize ..... Judith Whitson Furman
Given annually to the student making the most progress in the fine arts class of painting.

The Richard Rapacioli Award ..... Not awarded
Awarded to a ministerial student on the basis of need and over-all achievement.

The William Rule Essay Contest Prizes ..... Not awarded
Established by Adolph S. Ochs of THE NEW YORK TIMES and given each year to the students writing the best essays on "The Responsibilities of Citizenship."

The Austin E. Welch Economics Award
John Bible Love, Athens, Tennessee
Given for excellence in the department of economics.

The Mr. and Mrs. George Yates Prize
Rachel Forester Edds, Madison, Tennessee
Given annually to the student making the best record in freshman mathematics.

The Chemical Rubber Company Awards
Chemistry ..... Lou Deana Armes, Wartburg, Tennessee
Physics ..... Clifford Joseph Lynch, Sweetwater, Tennessee
Mathematics ..... John Oliver Saylors, Crossville, Tennessee
Given annually to the students making the most progress in chemistry, physics, and mathematics.

The Beta Beta Beta Award ..... Not awarded
Given for excellence in biology to a graduating biology major who has demonstrated outstanding scholastic achievement and plans to continue these endeavors in graduate school. This award is available annually and is given at the discretion of the biology department.

The Frank Dodson Prize ..... John E. Penn, Oak Ridge, Tennessee
Given annually for outstanding work in business administration.

The Austin E. Welch Accounting Award
Martin Bement Humphrey, Lenoir City, Tennessee
Given for excellence in the department of accounting.

The McMinn County Bar Association Award
Beulah Ailene Everett, Athens, Tennessee
Given annually for the best all-around student in business law.

The Heird Drug Company Prize
Richard Douglas Pickell, Lenoir City, Tennessee
Given annually to the best all-around male athlete.

The Riddle and Wallace Drug Store Prize
Linda Carol Buttram, Athens, Tennessee
Given annually to the best all-around female athlete.

National Methodist Scholarships
Karen Treher Gillikin, Chattanooga, Tennessee
Ross Vernon Jennings, Kingsport, Tennessee
Betsy Banks Wilhite, Big Stone Gap, Virginia
Awarded in recognition of outstanding scholarly achievement, Christian character, leadership ability, and promise of usefulness. These are presented by the Board of Education of The Methodist Church for the academic year 1963-64.

The William P. Miller Award
Lundy William Lovelace, Athens, Tennessee
Initiated by the 1963-64 T.W.C. Student Government in memory of William P. Miller. Presented annually to an upperclass choir member who has made an outstanding contribution to the choir. The award is by vote of the choir.

Who's Who Among Students in American Universities and Colleges
A limited number of seniors are selected annually for Who's Who on the basis of academic ability, leadership, and contribution to the College.

1964-1965

Frankie Allen Dennis, Athens, Tennessee
Horace Maynard Ellis, III, Athens, Tennessee
William Lester Ketchersid, Spring City, Tennessee
Richard William Myers, Indianapolis, Indiana
Lana Ruth Mynatt, Chattanooga, Tennessee

ADMISSION

REQUIREMENTS FOR ADMISSION

Tennessee Wesleyan College is concerned to admit only those students who have the qualifications and desire for a college education, and who are in sympathy with the aims and purposes of the institution. Through experience the College has learned that students are most likely to succeed if they can comprehend what they read, express themselves fluently and precisely in oral and written English, reason with intelligence, and understand numbers in terms of their relationships. The student must also prossess seriousness of purpose, emotional maturity, social responsibility, and breadth of interest. The College reserves the right to require withdrawal of a student whenever its officers find him deficient in any of these qualities.

1. The applicant must be a graduate of an accredited high school and must have maintained a minimal average of C (2.00) in all academic courses. He may be admitted with sixteen units distributed as follows: English, three units; three minors, of two units each; other approved units to total a minimum of sixteen, not more than four of which can be non-academic (vocational) subjects.

2. In every case, a recommendation for admission from the high school principal (preferred) or guidance officer is required. The student must also submit references from three responsible persons. Two references should be from high school teachers and one from a minister, physician, businessman, or neighbor.

3. All applicants must take a standardized college entrance test, such as the American College Test or the College Entrance Examination Board, in their last year of high school. Students taking such tests should request that all test scores be forwarded to the Director of Admissions of Tennessee Wesleyan College. Any costs for taking tests are to be borne by the applicant.

4. A student may be requested to present himself for a personal interview at the College or at a place designated by the Director of Admissions.

5. Every student must complete an application for admission which must be filed with the Director of Admissions.

6. The student must request the high school from which he is graduating to supply the Director of Admissions with an official transcript of all work completed.

7. Each student must submit, as a part of his admission file, a medical form completed by a medical doctor showing the physical condition of the applicant.

8. Accompanying each application for admission must be a nonrefundable filing fee of $10.00. The fee is $20.00 if the applicant files for the

Fall Quarter after May 31
Winter Quarter after October 31
Spring Quarter after January 31
Summer Quarter — no penalty.

An advance deposit must also accompany each application as indicated below:

Off-campus (commuter) students — $15.00
On-campus (resident) students — $40.00

Advance deposits are credited to the student's account if he is admitted. If he is rejected, they are automatically refunded by the College. A student who is admitted but who decides not to enroll must request refund of the deposit from the Director of Admissions according to the schedule listed below:

Fall Quarter by May 31
Winter Quarter by October 31
Spring Quarter by January 31

No refunds will be made after the dates indicated above.

9. Veterans, and others over twenty-one years of age, may be admitted to regular courses upon completion of the high school requirements or by special examination. Recognized Army Training Service will be accepted when approved by the Southern Association of Colleges and Schools.

10. Placement tests in general intelligence, English, mathematics, reading, and vocabulary are given in September each year during the orientation period before registration. Students showing insufficient preparation in mathematics and English will be required to do additional work in these subjects until they show satisfactory achievement.

TRANSFER OF CREDIT

The student who has attended another college or university prior to matriculation at T.W.C. must present to the Director of Admissions official transcripts of all work taken elsewhere. The Registrar or Dean will be responsible for the evaluation of all transcripts.

Students accepted on condition, pending arrival of admissions credentials, must file a $25.00 credentials deposit in lieu of the presentation of such credentials for admission. The following policy will be in effect at the end of 21 *days* from student's official acceptance.

(a) If the student submits the credentials within the 21-day period, the $25.00 deposit will be applied to his account, if a balance remains. If no balance remains, the deposit will be refunded in full by check.

(b) If the transcript, application for admission, and necessary fees and deposits are not on file in the Admissions Office, the student agrees to forfeit all payments. No refund regulations will apply. In addition, the student will automatically be dismissed from the College.

(c) If the medical, references, or high school recommendation (if student is entering the college for the first time) are not on file in the Admissions Office, the student must forfeit the $25.00 credentials deposit.

The student who has matriculated at T.W.C., may take work at another institution and have the credit transferred to T.W.C. if approval is granted by the Dean before the work is taken.

The maximum credit to be transferred from a junior college is 108 quarter hours. Wesleyan students who have accumulated 108 quarter hours of work are not permitted to transfer credit from a junior college.

READMISSION PROCEDURE FOR RETURNING STUDENTS

A former student seeking readmission after withdrawal or dismissal from Wesleyan for one quarter or longer is required to file an application with the Director of Admissions. An applicant for readmission who has enrolled elsewhere since his departure from Wesleyan is required to furnish official transcripts of any additional academic work.

1. All commuting students must submit an application for readmission and an advance deposit of $15.00 by May 1. After May 1, a nonrefundable late filing fee of $10.00 is charged.

2. All resident students must submit an application for readmission and an advance deposit of $25.00 by May 1. After May 1, a nonrefundable late filing fee of $10.00 will be charged.

3. The advance deposit will be credited in full to the student's account for the quarter in which he is preregistered.

4. Refunds of the advance deposits will be made if written request is received for the fall quarter by May 31; winter quarter by October 31; spring quarter by January 31.

LATE REGISTRATION

A student not in attendance at Tennessee Wesleyan College in the previous quarter may be allowed to register within the first week of the quarter only with the written approval of the Committee on Admissions.

Students who have been in attendance during a regular school year and who do not have the approval of the Committee on Admissions for late registration will be liable to a late registration fee of $5.00 for each day that has elapsed since the final day of registration.

STUDENT FINANCES AND AIDS

FEES AND EXPENSES

All charges for tuition, board and room, and incidentals are due in advance for the quarter. Payment is expected in full at the time of registration. However, in case students are unable to make this payment in full, arrangements may be made with the Business Office for the Budget Plan.

All quarterly accounts must be paid in full before a student may take final exams, receive grades or transcripts, or register for the next term.

QUARTERLY RATES FOR FULL-TIME STUDENTS

TUITION: per quarter hour $15.00

(Included in the tuition charge for all full-time students are the following fees for the academic year: Student Center, $16.50; Post Office Box, $3.00; Health Service, $27.00; Community Concerts, $5.00; Drama and Music Productions, $4.50; Laboratory Fees, $10.00; Social Activities, $3.00; College Annual, $7.50; College Newspaper, $3.00; Basketball Tickets, $12.00; Intramural Activities, $2.00; Picture for the College Annual, $2.00; Library, $2.00. Grand Total: $97.50.)

*BOARD ($437.50 per year) $145.84

The College is required to collect Tennessee Sales Tax in the amount of 3% on board charges.

ROOM:

Dormitory charges are as follows:

WOMEN:	
Lawrence Hall ($187.50 per year)	$ 62.50
Fowler Hall ($237.50 per year)	79.17
Ritter—North ($187.50 per year)	62.50
MEN:	
Centennial ($212.50 per year)	70.84
Petty-Marker ($187.50 per year)	62.50
Ritter—South ($187.50 per year)	62.50
MARRIED STUDENTS:	
Ingleside Apartments	100.00

Students outside the geographical boundaries of the Holston Conference of The Methodist Church must pay an additional fee of $33.33 per quarter.

*The cafeteria provides three meals per day, except on Sunday when the evening meal is not served. Nearby coffee shops and restaurants are available.

SPECIAL FEES AND DEPOSITS

Key deposit (refunded at end of the year when key is returned)	$ 5.00
Dropping course after first week of quarter	1.00
Late registration fee, per day	5.00
Orientation—non-participation fee	5.00
Auditing fee (non-credit), per course	10.00
Fee for student teaching, per quarter	25.00
Fee for a Special Course, per credit hour	23.00
Fee for a special test (to be paid to instructor)	1.00
Fee for a special final examination (to be paid to instructor)	5.00
Graduation fee	15.00
Cap, gown, and hood fee (for graduation)	6.00
Art Fees: One lesson per week, per quarter	25.00
Two lessons per week, per quarter	40.00
Music Fees for Piano, Organ, or Voice: One or two lessons per week, per quarter	35.00

For damage done to property or equipment, a charge will be made to the one responsible.

BOOKS

The cost of books is determined by the courses taken. The average cost runs from $60.00 to $85.00 per year. The Bookstore is operated on a cash basis. Students should make provision for the purchase of books at the beginning of each quarter.

WITHDRAWAL CHARGES

Below is given a schedule of charges for those who withdraw from school with permission of the Dean before the end of a quarter. The period of attendance will be computed from the official opening date of school. A portion of a week's attendance will count as a full week's attendance.

One or two weeks' attendance	20%
Three weeks' attendance	40%
Four weeks' attendance	60%
Five weeks' attendance	80%
Six weeks' attendance	100%

Students who withdraw as a result of disciplinary action will be charged the full quarterly rate for tuition and fees.

ROOM AND BOARD

No refund of room rent will be made for a portion of any quarter. Refund for board will be prorated according to the number of weeks in each quarter.

LOAN FUNDS

APPLICATION PROCEDURE: Students requesting financial assistance must submit an application for assistance, available from the Director of Admissions, Tennessee Wesleyan College. The applicant should realize that he must be fully accepted as a student at Tennessee Wesleyan College before his application for financial assistance may be considered. Applications should be filed by July 1 for the following academic year.

The Methodist Student Loan Fund is available to a limited number of worthy students who are members of The Methodist Church. Christian character, at least an average grade of C, promise of usefulness, financial responsibility, and the recommendation of the church to which the applicant belongs are essential to a loan. Each borrower must sign an interest-bearing promissory note. Applications cannot be processed until the student has matriculated.

The National Defense Student Loan provides up to $1,000 per year to students who meet the following qualifications: 1) The student must demonstrate financial need. 2) A "C" cumulative average on all work attempted. 3) Preference shall be given to students who enter one of the following fields: Education, Science, Foreign Language. The grades of students who have been awarded loans for the academic year will be evaluated quarterly. A student must earn a "C" average each quarter to be eligible to receive the loan the succeeding quarter.

The United Student Aid Funds provide up to $1,000 per year, or a combined total of $3,000 for undergraduate education. Funds are available for those who can establish a need and have completed the freshman year.

The Carl Carroll Memorial Student Loan Fund was initiated in 1961 in memory of Carl Carroll, long time citizen of Etowah, Tennessee. The loan fund is one of three which provide matching college funds for the USA Loan Fund.

The Dickson-Palmer Loan Fund, established by Mrs. John M. Palmer of Athens, Tennessee, gives preference to music or religious education majors.

The Ethel Wade Loan Fund was initiated in 1962 in memory of Mrs. Stanley Wade. The loan fund is one of three which provides matching college funds for the USA Loan Fund.

The James L. Heffernan Memorial Student Loan Fund was initiated in 1963 in memory of Dr. James L. Heffernan. The loan fund is one of three which provide matching college funds for the USA Loan Fund.

The Tennessee Student Loan Program is available for needy students who are bona fide residents of Tennessee for the purpose of furthering their education beyond the high school level in accredited colleges and universities in the State of Tennessee.

The Athens Rotary Club Fund is used for special help and instances of need among students.

The Henry M. and Lena Meyer Kahn Loan Fund, established in 1962 by the trustees of the Kahn Scholarship Trust Fund, provides matching college funds for the National Defense Student Loan Fund.

The Nita Eckles West Student Loan Fund was established in 1960 by the West Sunday School Class of First Methodist Church, Maryville, Tennessee, in honor of the class's founder and long-time teacher. The terms are identical with those of the Board of Education Loans of The Methodist Church.

Pickett and Hatcher Educational Fund, for students in financial need, must be applied for at least two months before the opening of the quarter in which loan is needed. Correspondence should be directed to Pickett & Hatcher Educational Fund, P. O. Box 1233, Columbus, Georgia.

The J. J. Manker Ministerial Student Loan Fund, established in 1928 by Mrs. John A. Patten of Chattanooga, in memory of her father, Dr. J. J. Manker, is to be used in aiding candidates for the Christian ministry.

The Erwin and Eva King Ministerial Student Loan Fund, established in 1941 by the Reverend Erwin King and Mrs. King of Detroit, Michigan, aids needy students who are candidates for the Christian ministry. Terms are identical with those of The Methodist Student Loan Fund.

The Elizabeth J. Collins Student Loan Fund, established by Mrs. Waldo F. Brown, of Knoxville, aids worthy students preparing for public school teaching.

The Sigma Iota Chi Loan Fund, established in 1932, aids deserving students.

SCHOLARSHIPS

APPLICATION PROCEDURE AND REGULATIONS: Applicants for initial scholarships must submit an application for a scholarship, available from the Director of Admissions, Tennessee Wesleyan College; requests for renewals should be directed to the Office of the Dean. The applicant should realize that he must be fully accepted as a student at Tennessee Wesleyan College before his application for a scholarship may be considered. Applications for scholarship aid must be received not later than July 1. Awards are announced in mid August. Regulations: 1. No student may hold more than one scholarship, granted by the College, at one time. 2. All conditions stipulated in awarding the scholarships must be maintained. 3. Holders of scholar-

ships (except Freshmen Scholarships and Junior College Scholarships) may be considered for an extension of their scholarship if all conditions of the award have been maintained and a written request for an extension filed with the Scholarship Committee. 4. Holders of scholarships must maintain the following scholastic average: National Methodist and Tennessee Wesleyan Scholarships—B (3.00); all others—C (2.00). 5. A student who is placed on probation because of disciplinary action automatically loses his scholarship for the entire quarter he is on probation. Such scholarship may be reinstated by the Administrative Committee on recommendation of the issuing agency.

Tennessee Wesleyan Scholarship. One full-tuition ($720) and two half-tuition ($360) scholarships are awarded annually to honor high school graduates on the basis of examination, promise of leadership, and personal interview.

Freshman Scholarship. Awarded to freshmen in amounts ranging in value from $100 to $200 per year.

Junior College Scholarship. Awarded to junior transfer students in amounts ranging in value from $100 to $200 per year.

Children of Ministers. Children of Methodist ministers within the Holston Conference are granted scholarships equal to one-half tuition.

Professional Workers In The Church. Candidates for the ministry holding a local preacher's license in The Methodist Church are granted a scholarship of $200.00 a year. Other candidates for the ministry will be granted a scholarship of $150.00, and other professional workers in the Church will be granted a scholarship of $125.00 upon receipt of a recommendation of the Official Board of the Church to which the student belongs. Furthermore, each student is expected to sign a note for the amount of scholarship he receives; this note becomes due and payable if he does not fulfill his intention and serve at least two years in a church-related vocation within five years of termination of his academic program.

National Methodist Scholarships. The Board of Education of The Methodist Church allocates two $500.00 scholarships to Methodist students. Scholarships are awarded on the basis of scholarship (in upper 15% of class), leadership possibilities, personality, and financial need.

W.S.C.S. Scholarships. The Woman's Society of Christian Service of the Holston Conference provides three scholarships for students preparing for professional service in The Methodist Church.

A limited number of scholarships are provided by various Woman's Societies of Christian Service in local churches.

The Mr. and Mrs. W. J. Million Scholarship was established in 1956 by a friend of the College.

Ann Pennington Campbell Memorial Scholarship was established in 1951 by Achievement Sunday School Class of Church Street Methodist Church, Knoxville.

Pilot Club of Athens Scholarship, given annually by the Pilot Club of Athens to a student from McMinn County High School. Award is made on recommendation of principal and teachers in the high school and based on scholastic achievement and evidence of need.

Beta Sigma Phi Sorority Scholarship given to a McMinn County student. Award is made by the Club and is based on scholastic achievement.

The Athens Kiwanis Club Scholarship is given by the Club and is based on scholastic achievement and evidence of need.

The University of Chattanooga Scholarship. Given to a high-ranking TWC student planning to pursue work toward a Master's Degree in Education. Applications should be presented to the President of Tennessee Wesleyan College by May 1 of each year.

Athletic Scholarships. In order to encourage the athletic program of the College, the Board of Trustees makes a limited number of athletic scholarships available to outstanding athletes who also qualify academically. These scholarships are awarded by the President of the College on recommendation of the Faculty Athletic Scholarship Committee.

STUDENT EMPLOYMENT

A limited number of campus jobs are available to students who must earn part of their expenses while attending college. Employment is provided in the library, dining hall, offices, gymnasium, and for other campus services.

An application for student employment may be secured from the Director of Admissions, Tennessee Wesleyan College, and should be returned to him by July 1.

Any employment provided by the College shall be discontinued when a student is placed on disciplinary probation. Upon the request of the employer (supervisor) of the student, reinstatement may be made following the period of probation if authorized by the Administrative Committee.

THE ACADEMIC PROGRAM

REQUIREMENTS FOR THE BACHELOR'S DEGREE

1. The completion of 192 quarter hours of college work with a cumulative average of C (2.00) or better. The last 45 quarter hours must be taken at Tennessee Wesleyan College.* Transfer students must earn an average of C on all work attempted at Wesleyan in addition to the C average on all work attempted for the degree.

2. The completion of the requirements in one major and one minor field of emphasis, unless otherwise specified. Students who wish to obtain teacher certification for the secondary school must declare a double major. The first major will be in a subject matter field (e.g., history, English, etc.) and the second major will be in education. The credits required for the various majors and minors are listed in the back of the catalogue before the departmental course listings.

3. A minimum of 18 quarter hours in English: English 101, 102, 103 Freshman Composition; 201, 202, 203 World Literature.

Each student who graduates after August, 1963, must satisfactorily pass the Junior English Examination. The examination will be given each quarter.

When the student has passed the examination, a notation to that effect will be made on his permanent record.

The student who fails the examination three times will be subject to dismissal.

The College will not accept the scores on English Proficiency Tests from other institutions of higher learning.

4. *Foreign Language*:

a) Candidates for the B.A. degree must complete a minimum of 18 quarter hours of college foreign language. Candidates for the B.S. degree must complete the 200 series in a foreign language in those majors where language is a requirement. Only students majoring in Elementary Education and Business Administration are exempted from the Foreign Language requirement for the B.S. degree.

b) Normally the student will not be given credit for the 100 series if he has completed two years of that language in high school. Occasionally a student may be given permission to repeat the first year for credit, but only after proper examination indicates it is justified. Approval for such action must be given by the head of the Foreign Language Department and the Dean of the College.

*Students in Business Administration may take 12 hours of Science and take the rest of the science requirement in the area of Mathematics. Students in Business Administration take 6 hours of Statistics, 9 hours of Mathematics, and 3 hours of Mathematics of Finance.

5. A minimum of 12 quarter hours in the field of religion (R 201, 202, 203), including R 400 (Christian Ethics) which is to be taken in the Senior year.

6. A minimum of 18 quarter hours in the Social Sciences, at least nine of which must be History 101, 102, 103. The remaining 9 hour sequence must be taken in another field of the social sciences. Any 9 hours of Sociology will satisfy the requirement.

7. A minimum of 9 quarter hours of college mathematics. A student who has satisfactorily completed a college mathematics course cannot enroll in a less advanced mathematics course without written approval of the head of the Mathematics Department and the student's major professor, if a major has been declared.

8. A minimum of 12 quarter hours of a *laboratory science* in one sequence for the B.A. degree; a minimum of 24 quarter hours of a *laboratory science* in two sequences for the B.S. degree. (Except where otherwise specified.)*

9. A minimum of 3 quarter hours in *Speech.*

10. A minimum of 6 quarter hours in *Physical Education.*

REGULAR STUDENTS

A regular student is one who has been admitted by the Committee on Admissions as a degree candidate. Such students must carry a minimum of 12 quarter hours per quarter. They shall be obligated to satisfy the requirements for graduation at the time of admission, provided the date of admission does not date back farther than eight years.

Under certain circumstances regular students may find that they cannot carry the minimum load of 12 quarter hours per quarter. In order to be enrolled as a degree candidate, such students must have written permission of the Dean to carry less than the minimum load. Students given such permission must carry a minimum of 18 quarter hours of work per calendar year and must complete all work for the degree within eight years from the date the student first enrolls for a course. Such students are subject to all eligibility rules applying to regular students.

SPECIAL STUDENTS

The designation "special students" is reserved for those students who are not degree candidates. Such students shall be admitted to study upon formal admission by the Admissions Committee. No limit shall be placed upon the number of hours they may accumulate from quarter to quarter. No special student shall enroll for more than 10 hours in any quarter.

A special student must meet all prerequisites for admission to particular courses.

If at any time a special student wishes to become a degree candidate, he must have written approval of the Committee on Admissions.

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*Students in Business Administration may take 12 hours of Science and take the rest of the science requirement in the area of Mathematics. Students in Business Administration take 6 hours of Statistics, 9 hours of Mathematics, and 3 hours of Mathematics of Finance.

MAJOR AND MINOR FIELDS

The Major Fields are (1) English (2) Foreign Language (3) Music (Piano, Organ, or Voice) (4) Religion and Philosophy (5) Social Science (6) History (7) Economics (8) Mathematics (9) Mathematics and Physical Science (10) Chemistry (11) Biology (12) Elementary Education (13) Business Administration (Accounting, General Business, or Office Administration) and (14) Medical Technology.

The Minor Fields are (1) English (2) Foreign Language (3) Speech and Drama (4) Music (Piano, Organ, or Voice) (5) Religion and Philosophy (6) Social Science (7) History (8) Economics (9) Political Science (10) Mathematics (11) General Science (12) Chemistry (13) Physics (14) Biology (15) Education (16) Health and Physical Education, and (17) Business Administration.

The official list of students' majors and minors will be maintained by the Office of the Dean. Students wishing to change their major or minor must inform the Dean's Office and execute the appropriate documents. No student will be considered to have changed his major or minor unless the appropriate procedure for change has been followed.

The student is expected to satisfy the requirements for a major or minor in effect at the time he declares his major or minor (*not* the requirements in effect at the time of his matriculation).

The student should allow at least two academic years to complete the work for a major and one academic year for the work in a minor. The student who waits until his junior or senior year to declare a major should expect to spend extra time satisfying the requirements. The student will not be permitted to speed up his program by taking a heavier load, nor will he be permitted to take special courses for required courses which he cannot schedule.

Students majoring in Elementary Education or Music do not have a minor.

Students interested in teaching on the secondary school level are expected to have a double major. The primary major must be in a subject-matter field; the secondary major will be in Education. Graduation requirements are determined by the primary major.

The following grade requirements for graduation shall apply to the major and minor:

1. A minimum grade point average of 2.25 (on a 4.0 scale) in the major field or fields must be presented to fulfill graduation requirements. Exceptions to this rule will be made if the student has no grade less than "C" (2.00) in these courses.

2. The above regulation applies only to those courses in the field which are submitted to fulfill the major requirements. In Elementary Education courses in health, physical education and religion are excluded. The rule applies to mathematics regardless of the numbering.

3. A minimum grade point average of 2.0 in the minor field is required.

4. These regulations will apply to the averages of all students graduating after September, 1964.

ELIGIBILITY RULES

An accumulative average of C (2.00) or better is required for graduation. In order that the faculty and administration might have some basis for evaluating the progress of students toward this end, the following minimal standards have been adopted by which students will be evaluated. Students who fail to meet these standards will be subject to dismissal. The standards are effective in September, 1963.

When the student has *attempted* 36 quarter hours of work, he must have earned an accumulative average of 1.50.

When the student has *attempted* 85 quarter hours of work, he must have earned an accumulative average of 1.75.

When the student has *attempted* 135 quarter hours of work, he must have earned an accumulative average of 2.00.

The college places no restrictions on students with low academic averages as to their extracurricular activities, except that no student may hold an office in any organization if he fails to maintain a "C" average during the preceding quarter.

Each student is expected, however, to realize that his main objective in being in college is to obtain an education. Full-time enrollment in summer school (enrolling for at least 12 hours) subjects the student to the same regulation. If a student is dropped for academic reasons, a full quarter (exclusive of summer school) must elapse before an application for readmission will be considered.

Tennessee Wesleyan College is a member of the *Smoky Mountain Athletic Conference* and the *Volunteer State Athletic Conference,* and those students who participate in intercollegiate athletics must meet the eligibility rules of these conferences. These eligibility rules read: "Must be enrolled for at least 12 hours and must have passed at least 9 credit hours during the first freshman quarter and at least 12 quarter hours of work per quarter during his freshman year and not less than 36 quarter hours of work per year thereafter. A student to become and remain eligible to participate in intercollegiate athletics must maintain his class standing from year to year."

Students must have a C (2.00) average and be enrolled for at least 12 hours of work before they can be initiated by a fraternity or a sorority. Only full-time students who maintain this average shall be permitted to hold an office in an organization. Seniors in their last quarter before graduation who hold offices are required to carry only the number of hours necessary for graduation. Full-time students are eligible to be pledged any time after registration but may not be initiated until after the end of the quarter in which they have been pledged.

FOUNDATION CURRICULUM

The following constitute the requirements in the Foundation Curriculum:

Subject	*Hours*
English	18

*Language (where required)	18
Religion	9
Social Science	18
Mathematics	9
*Science	12-24
Speech	3
Physical Education	6

All students who graduate from Tennessee Wesleyan must have successfully completed work in the Foundation Curriculum. It is expected that each student will give primary attention to courses in this area during the first two years of his college work. In order to insure that the student is taking sufficient work in these areas the student will be held responsible for the following standards which became effective in September, 1963.

When the student has *attempted* 36 quarter hours of work, he must have *attempted* a minimum of 27 hours in Foundation Curriculum.

When the student has *attempted* 85 quarter hours of work, he must have *attempted* a minimum of 57 hours in Foundation Curriculum.

When the student has *attempted* 135 quarter hours of work, he must have *attempted* a minimum of 90 hours in Foundation Curriculum.

The student who fails to *attempt* the designated number of hours of Foundation Curriculum will, in the succeeding quarter(s) after evaluation, be permitted to carry no courses which are not Foundation Curriculum until the appropriate number of hours has been attempted.

EXEMPTION FROM FOUNDATION CURRICULUM COURSES

Students with superior preparation in any of the required foundation courses are encouraged (or may be required, at the option of the department) to omit any of the required courses in which they demonstrate satisfactory proficiency in the judgment of the department concerned. Students relieved of such required courses must still take 192 quarter hours of work. The student is given the privilege of using the exempted hours as elective hours. All exemptions must have the approval of the Dean before they are official.

REPEATING A COURSE

The student is at liberty to repeat a course in order to raise his grade. A course may be repeated only twice. If the student fails the course three times, he is not eligible to repeat the course again; in the case of a required course, the student would not, therefore, be eligible to graduate.

In computing the student's average the last grade the student made in the course will be used, even if that grade happens to be lower than the previous grade earned. The student shall be charged with only one *attempt* for a repeat when computing the student's average.

STUDENT LOAD

Sixteen quarter hours of class work is considered a normal load. Requirements for graduation are based upon the completion of twelve

*See requirements for the Bachelor's Degree.

quarters of sixteen hours of class work per quarter. A student who does not maintain an accumulative quality point average of 2.00 (C) cannot register for more than 16 hours without the written approval of the Dean of the College. All students wishing to carry more than 18 hours must have written permission of the Dean of the College.

ADDING COURSES

A student may enter a course if the course has not held its fourth class meeting or its equivalent. The student will not be permitted to register for the class after that time.

WITHDRAWAL FROM COURSES

A person may withdraw from a class during the first week of the quarter without any notation on the record. From the end of the first week until the end of the fourth week, the student may withdraw with a "WD" on his record. From the end of the fourth week until mid-term (as determined by the Registrar), the student will withdraw with a "WdP" or "WdF" on his record depending upon his progress in the course. After mid-term all grades due to withdrawal become "F" except in cases of official withdrawal from college due to illness and emergency. All withdrawals must have the approval of the Dean of the College and must be registered with the Registrar in the approved fashion.

No Foundation Curriculum course up to and including twelve hours may be dropped.

No refunds will be made to a student dropping a course after the first week of a quarter has elapsed.

SPECIAL COURSE REGULATIONS

It is expected that a student will graduate in twelve quarters if he takes courses in proper sequence at the times that they are regularly offered. The student who attempts to accelerate his program, or for other reasons fails to take his courses in sequence, will find it difficult, if not impossible, to schedule his work in the usual time. Such students must be willing to accept the results of their decisions. Occasionally a student will be unable to schedule his work to graduate in the regular length of time because of a schedule conflict or because of some other administrative action or policy. In such cases the college will attempt to assist a student if possible. To that end a Special Course may be given the student provided the following regulations and standards are met:

a) A Special Course will be offered in the student's major or minor fields only. Special Courses will not be offered in the Foundation Curriculum or in areas which would be elective credit in the student's program. In the case of Elementary Education, a Special Course will be offered only in the required 36 hours of professional education and psychology.

b) The student must have an accumulative average of not less than C+ (2.50) before a course can be offered as a special.

c) The student must have the permission of the instructor concerned, the head of the department concerned, and the Dean before the special course can be approved.

d) It is expected that the student will spend each week in conference with the instructor the hours he normally would spend in the classroom. Since the student cannot benefit from class lectures in a special course, he should expect to do more than is normally required in outside work.

ATTENDANCE

Class.

1. It is expected that each student will be regular in his attendance upon classes. Therefore, there are no "free cuts."
2. All absences for illness, as certified by the nurse, and for participating in approved curricular and extracurricular activities, as certified by the Dean of Students, will be considered excused. The faculty member shall keep a record of these, however, and shall discuss the matter with the student and the Dean when it appears that they are excessive.
3. Each faculty member will formulate, in consultation with the Dean, a policy concerning attendance which would be appropriate to that faculty member's classes. The policy will be clearly stated by the faculty member to each of his classes.
4. When a student has excessive absences in an instructor's class, that fact will be reported to the Dean for appropriate action.

For Students on the Honors List. Students on the Honors List will be given unlimited class cuts.

Chapel and Assembly. All students enrolled in the day school must attend required chapel and assembly, unless special permission is granted by the Dean of Students to be absent. Attendance at Thursday assembly shall be optional during the spring quarter for third quarter graduating seniors, provided they file their request for such exemption with the Dean of Students.

MAKE-UP EXAMINATIONS

Students may be given a make-up test under the following conditions:

1. If the student presents to the faculty member *prior to the test* a legitimate reason for his forthcoming absence, the faculty member may give a make-up test. The faculty member will determine what is "a legitimate reason."
2. A student may be given a make-up test upon presentation to the faculty member of an "authorized excuse." An authorized excuse" is defined as: (a) a medical statement from the college nurse or doctor, (b) a statement from the Dean of Students. The Dean of Students will issue "authorized excuses" for all nonmedical matters.

A fee of $1.00 for all make-up tests shall be charged except on those occasions when a student is absent on school business approved by the Office of the Dean. A charge of $5.00 is made for make-up final examinations.

TRANSCRIPTS

One transcript will be given each student without charge. Additional transcripts will be given upon payment of $1.00, payment to accompany request.

No transcript of credits will be issued to a student or former student who owes the College an unpaid balance, either for college charges, meals, or fines of any kind. Neither will official grades be given nor evidences of credit sent. This regulation applies to supplementary transcripts also.

INCOMPLETE GRADES

A student may receive a grade of Incomplete if for some reason he has failed to complete a small portion of the work in a course. In all cases the student must show that he cannot complete the work due to circumstances beyond his control. The student who fails to do the work due to a failure to budget his time or some other reason does not deserve an "I" but must suffer the consequences in a lower grade for the course.

A grade of "I" must be made up by mid-term of the succeeding quarter after the student has taken the course or it will automatically be changed to an "F". Students are to make up examinations at the convenience of the instructors.

In computing a student's average an Incomplete will be considered as an "F" until such time as the Incomplete is removed.

MARKING SYSTEM

In recording grades, letters are used to indicate quality of work done:

A (94-100) indicates work of distinction.
B (86-93) indicates general achievement, or better than average work.
C (78-85) indicates average work.
D (70-77) indicates a passing grade.
F indicates Failure.
I indicates Incomplete.
P indicates Pass.

A system of plus (+) and minus (—) gradations is also used in addition to the letter grades indicated above.

QUALITY POINTS

A student's cumulative average is determined by dividing the number of credit hours attempted into the number of quality points that he has received. Each course repeated is counted only as one attempt. Quality points are determined as follows:

1. Four quality points are given for each hour with a grade of A.
2. Three quality points are given for each hour with a grade of B.
3. Two quality points are given for each hour with a grade of C.
4. One quality point is given for each hour with a grade of D.
5. No quality points are given for each hour with a grade of F.

CREDIT BY SPECIAL EXAMINATION AND SPECIAL FEE

A student who has had sufficient training or experience in a subject to merit the establishment of credit by comprehensive examination may have the privilege of taking the examination in the subject, provided he meets the requirements of the Academic Policy Committee and pays a special examination fee of $2.00 per quarter hour. Based on satis-

factory performance on the examination, advanced standing and college credit at T.W.C. will be awarded. Not more than nine quarter hours may be established by academic examination.

This provision applies to academic courses only, and not to method courses.

CORRESPONDENCE WORK

Tennessee Wesleyan College will accept correspondence courses for credit except in the area of the Foundation Curriculum and the major and minor fields. All such courses must be completed before the student begins his last forty-five hours of work. Students enrolled for twelve or more quarter hours will not be given permission to take correspondence and/or extension courses simultaneously with regular course work.

GRADUATION REQUIREMENTS

Generally speaking the requirements for any degree are determined by the requirements of the year in which the student matriculates, provided that matriculation does not date farther back than five calendar years. If a student withdraws or is dropped from the college and re-enters, he must meet the requirements of the catalogue at the time of his re-admission.

Even so the College reserves the right to make changes in its requirements for graduation and on occasion to apply new requirements not only to prospective students, but also to those who may at such time be matriculated in the College.

The student is expected to satisfy the requirements for a major or minor in effect at the time he declares his major or minor (not the requirements in effect at the time of his matriculation). The student is not considered to have officially declared his major and/or minor until he has properly listed such with the office of the Dean.

The last 45 hours of work must be taken at Tennessee Wesleyan College.

Persons graduating in the spring are required to participate in the spring graduation exercises. No degree will be granted in absentia unless written permission is secured by the candidate from the faculty at least ten days in advance of graduation.

ORIENTATION

The first week of the fall quarter is devoted to the registration and the orientation of freshmen and new students, at which time the students are given an introduction to campus life and a copy of THE STUDENT HANDBOOK. The rules stated in the handbook are binding upon each student.

Each student as he enrolls signs a Campus Citizenship Covenant. It is considered effective throughout his stay at the College.

A fine of $5.00 will be levied against any student who fails to participate fully in the orientation program without the written permission of the Dean.

EVENING COLLEGE

An integral part of the college program is the Evening College Division of Tennessee Wesleyan College. Classes are held on the campus from 6:30 to 9:30 p.m. each weekday evening and on Saturday mornings. Enrollment in the Evening College is open to regular students at Tennessee Wesleyan and to the many community residents who are anxious to continue the regular college program. The college cannot in the Evening College offer all the courses required for a degree. Students desiring degrees are, therefore, asked to consult the director of the night school or the Dean. Students enrolled in the day college are permitted to enroll in the evening college only by written permission of the Dean.

CLASSIFICATION

A student is classified a Sophomore when he has *earned* 36 quarter hours of work; he is classified a Junior when he has *earned* 85 quarter hours of work; he is classified a Senior when he has *earned* 135 quarter hours of work.

Students are classified in September of each year by the Registrar's Office and are expected to retain that classification for the remainder of the academic year. A person qualified for an advanced class rating at the end of a particular quarter may apply for re-classification through the Student Council to the Registrar within the first two weeks of the quarter. No re-classification will be considered for that quarter after two weeks have passed.

GRADUATION WITH HONORS

The following accumulative averages and Graduate Record Examination scores are required for graduation with honors.

	Academic Average	*Graduate Record Examination Score*
Summa Cum Laude	3.75	500
Magna Cum Laude	3.50	450
Cum Laude	3.00	400

To be eligible for honors a student must attend the last six quarters at Tennessee Wesleyan College, earning a minimum of ninety quarter hours. The student must also maintain the average required for the expected honor on all work attempted at Wesleyan.

CLASS RANK

Class scholastic rank may be obtained from the office of the Registrar following graduation. Rank in one's major field may be secured from the major professor. June and August classes are computed separately.

ORGANIC

SPECIAL PROGRAMS OF STUDY

The professional schools are increasingly recommending to prospective students that they complete a four-year college program leading to a degree before entering the professional school.

Some students, nevertheless, desire to follow a course of study which will enable them to meet admission requirements to a professional program without completing the requirements for the degree. To that end the following pre-professional programs have been established.

Pre-professional students are expected to fulfill the requirements of Wesleyan leading to graduation, even though some of the requirements are not demanded of a particular professional program at another school.

ENGINEERING

This program has been designed to allow a student to take three years of pre-engineering at Tennessee Wesleyan College. Upon completion of two additional years of study at the school of Engineering of the University of Tennessee, the student will be awarded a B.S. degree by Tennessee Wesleyan and a degree in engineering by the University.

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
C 101-2-3	12
M 121-2-3	15
H 101-2-3	9
M 110	2
PE 101-2-3	3
	50

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
M 221-2-3	15
P 211-2-3	12
Sp 201	3
R 201-2-3	9
PE 201-2-3	3
	51

THIRD YEAR

Subject	*Hours*
M 111-2-3	9
Ec 201-2-3	9
R 400	3
M 421-2	6
Electives	24
	51

Students who intend to major in chemical engineering, nuclear engineering, or engineering physics must take a second year of chemistry. Students majoring in industrial engineering must take BA 201-2-3, Principles of Accounting. Foreign language and/or Advanced Physics are strongly recommended as an elective.

MEDICINE

FIRST YEAR

Subject	*Hours*
C 101-2-3	12
M 121-2-3	15
E 101-2-3	9
H 101-2-3	9
PE 101-2-3	3
	48

SECOND YEAR

Subject	*Hours*
C 211-2-3	12
M 221-2-3	15
E 201-2-3	9
B 101-2-3	12
PE 201-2-3	3
	51

During the third and fourth years the pre-medical student is expected to major in chemistry or biology, or he may obtain a double major in these two fields. In addition, the University of Tennessee requires that candidates be "specifically and individually recommended by the President of the College." It is not the policy of Tennessee Wesleyan College to recommend a person for medical school unless he has maintained at least a B average.

LAW*

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
Foreign Language	9
Science	12
H 101-2-3	9
M 121-2	10
PE 101-2-3	3
	52

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
Foreign Language	9
H 204-5-6 or Ec 201-2-3	9
R 201-2-3	9
Science	12
PE 201-2-3	3
	51

THIRD YEAR

Subject	*Hours*
BA 201-2-3	9
Ed 201-2	6
Sp 201	3
PS 201-2-3	9
R 400	3
Electives	18
	48

The student should make certain that he meets the specific requirements of the law school he expects to attend. The University of Tennessee requires the completion of 135 quarter hours of academic work with an average grade of C. It is recommended that pre-law students enroll in the liberal arts curriculum and major in History. Suggested electives are Economics, Accounting, and Business Law.

A student who completes three years in either pre-law or pre-medicine at Tennessee Wesleyan College may receive his B.A. or B.S. degree by the successful completion of one additional year of work at the professional level, providing the general requirements as listed on pages 55-56 of the catalogue have been met.

DENTISTRY

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
C 101-2-3	12
B 101-2-3 or B 201-2-3	12
M 121-2	10
Sp 201	3
PE 101-2-3	3
	49

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
C 211-2-3	12
P 211-2-3	12
R 201-2-3	9
H 101-2-3	9
PE 201-2-3	3
	54

*In addition to satisfying these requirements the University of Tennessee requires that candidates be "specifically and individually recommended by the President of the College."

PHARMACY

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
C 101-2-3	12
B 101-2-3	12
M 121-2	10
Sp 201	3
PE 201-2-3	3
	49

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
C 301-2-3	12
P 211-2-3	12
R 201-2-3	9
H 101-2-3	9
PE 201-2-3	3
	54

OPTOMETRY

The following curriculum was approved by the Southern College of Optometry (Memphis) and is designed to meet their entrance requirements:

FIRST YEAR

Subject	*Hours*
M 121-2-3	15
E 101-2-3	9
C 101-2-3	12
H 101-2-3	9
PE 101-2-3	3
	48

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
R 201-2-3	9
P 211-12-13	12
B 101-2-3 or 201-2-3	12
Ed 201-2	6
Sp 201	3
PE 201-2-3	3
	54

No certificate or degree will be awarded from Wesleyan at the completion of the two years.

MEDICAL TECHNOLOGY*

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
C 101-2-3	12
R 201-2-3	9
H 101-2-3	9
M 104-5-6	9
PE 101-2-3	3
	51

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
Advanced chemistry (C 211-2-3 recommended)	12
B 101-2-3 or B 201-2-3	12
Foreign Language**	9
PE 101-2-3	3
	48

*At the present time Tennessee Wesleyan College has a working affiliation with two hospitals in Chattanooga: Erlanger and Memorial; and with the Oak Ridge Hospital of the Methodist Church, Oak Ridge, Tennessee. However, hospital training may be taken in any hospital which has an approved medical technology program.

**Transfer students are asked to confer with their advisors regarding the foreign language requirement.

THIRD YEAR

Subject	*Hours*
Biology	12-14
Foreign Language**	9
Social Science	9
R 400	3
Electives	16-18
	49-51

This college will award a bachelor's degree to those who complete the academic medical technology program of three years, and take twelve months of technical training (in lieu of the senior year) in a laboratory approved by the Council on Medical Education and Hospitals of the A.M.A. and this college. Upon completion of this technical training and a national examination, the new technologist will also be awarded the title of MT (ASCP).

COOPERATIVE FORESTRY PROGRAM

Tennessee Wesleyan College offers a program in forestry in cooperation with the School of Forestry at Duke University. Upon the successful completion of a five-year coordinated course of study, a student will have earned the Bachelor of Science Degree from Tennessee Wesleyan College and the Professional Degree of Master of Forestry from the Duke School of Forestry.*

In recent years, the profession of forestry has undergone marked changes. In light of these changes, the faculty of the Duke School of Forestry has introduced certain modifications in both the forestry and pre-forestry programs. An objective of these changes was to create a program which would allow a student maximum freedom of choice for rapid penetration in depth in any forest related discipline. The faculty also desired that the program retain the broad liberal arts background which is of such great advantage to those entering the profession. The following program is suggested.

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
C 101-2-3	12
M 121-2-3	15
H 101-2-3	9
PE 101-2-3	3
	48

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
B 101-2-3 or 201-2-3	12
M 221-2-3	15
R 201-2-3	9
PE 201-2-3	3
	48

THIRD YEAR

Subject	*Hours*
P 211-2-3	12
R 400	3
Sp 201	3
Ec 201-2-3	9
Electives	21
	48

*Students taking the pre-forestry program may attend forestry schools other than that of Duke University. If this is planned, it is suggested that they contact these schools early in the program so that any needed minor modifications in requirements can be made.

**Transfer students are asked to confer with their advisors regarding the foreign language requirement.

It is also suggested that all students in the program earn at least six credit hours beyond the first year introductory level courses in any one of the biological, physical, or social sciences. In the past a preponderance of students in this program have concentrated their undergraduate work in biology. This is unnecessary for graduate work in many areas of forestry, such as forest economics, forest meterology, wood technology, forest utilization. Concentration in the physical or social sciences is equally acceptable and enhances the possibility of a student's specialization in such field.

All students should earn during the first three years of this program a quality point average of at least 2.50.

PROFESSIONAL FORESTRY CURRICULA AT THE DUKE SCHOOL OF FORESTRY

Summer Forestry Field Work (Prerequisite to fourth year courses)

Subject	*Hours*
Plane Surveying	4
Forest Surveying and Aerial Photo Interpretation	4
Forest Mensuration	4
	12

FOURTH YEAR

FIRST SEMESTER

Subject	*Hours*
Harvesting and Utilization of Forests (F. 211)	4
Forest Pathology (F. 223)	3
Denrology (F. 241)	3
Silvics (F. 243)	3
Forest Soils (F. 261)	3

SECOND SEMESTER

Subject	*Hours*
Harvesting and Utilization of Forests (F. 212)	2
Theory and Practice of Silviculture (F. 244)	3
Wood Anatomy (F. 290)	3
Economics of Forestry (F. 270)	3
Sampling Methods in Forestry (F. 251)	3
Forestry Entomology (F. 230)	3

Fifth Year

Two curricula in forestry are available after the common minimum requirements of the first year have been met. One is the SILVICULTURE-MANAGEMENT combination; the other is in FOREST PRODUCTS. The election of a curriculum to be followed is made prior to the autumn semester of the second year. The required work in each curriculum is as follows:

SILVICULTURE-MANAGEMENT CURRICULUM

FIRST SEMESTER

Subject	*Hours*
Forest Management (F. 281)	3
Economic Analysis in Forest Management (F. 379)	3
Forest Protection (F. 283)	2
Forest-Tree Physiology (F. 201)	4
Thesis research or electives	3-6

SECOND SEMESTER

Subject	*Hours*
Forest Policy (F. 276)	2
Seminar in Forest Management (F. 386)	2
Seminar in Silviculture (F. 348)	1
Soils-Silviculture-Management Spring Trip (F. 368)	2
Thesis research or electives	8-11

FOREST PRODUCTS TECHNOLOGY CURRICULUM

FIRST SEMESTER

Subject	*Hours*
Forest Management (F. 281)	3
Wood-Moisture Relations (F. 291)	2
Wood Preservation (F. 293)	2
Timber Physics (F. 397)	2
Bonding of Wood (F. 395)	3
Thesis research or electives	3-6

SECOND SEMESTER

Subject	*Hours*
Wood Finishes and Finishing (F. 394)	2
Industrial Engineering (Eng. 158), or Industrial Management (Ec. 105)	3
Seminar in Forest Products Technology (F. 399)	1
Cost and Quality Controls in Forest Utilization (F. 312)	3
Wood Chemistry (F. 396)	2
Thesis research or electives	4-7

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COURSES OF INSTRUCTION

The academic areas at Tennessee Wesleyan College are divided into five divisions:

Division I — Language, Literature, and Fine Arts
- English
- Foreign Languages
- Speech and Drama
- Music
- Art

Division II — Religion and Philosophy

Division III — The Social Sciences
- History
- Political Science
- Economics
- Sociology

Division IV — The Natural Sciences
- Mathematics
- Physics
- Chemistry
- Biology

Division V — Education and Applied Arts
- Education and Psychology
- Health and Physical Education
- Business Administration

The numbering system used for the courses of instruction is as follows:

100-199 represent courses which are normally taken by students in the first year;

200-299 represent courses which are normally taken by students in the second year;

300-499 represent courses which are normally taken by more advanced students in their junior and senior years.

It is expected that lower division (freshman and sophomore) students will complete lower division courses before being admitted to upper division (junior and senior) classes.

The letters of the alphabet found before the numerals indicate the various fields of study, as follows:

A — Art 76
B — Biology 77
BA — Business Administration 81
C — Chemistry 90
E — English 101
Ec — Economics 93
Ed — Education and Psychology 94
F — French 106

G — German 107
Gr — Greek 107
H — History 110
HEd — Health Education 107
M — Mathematics 112
Mu — Music 116
P — Physics 121
PEd — Physical Education 107
PS — Political Science 121
PE — Physical Education 108
R — Religion and Philosophy 122
Ru — Russian 107
S — Spanish 106
Sp — Speech and Drama 127
SS — Sociology 127

ART

A 201. Public School Art. One quarter. *Three hours credit.*

Color theory and principles of design. Abstract projects in the application of the various color harmonies, and in design and composition. These projects are calculated to provide the teacher with an artistic basis for designing educational displays, educational murals, etc., and for constructive criticism of student art work. Final project.

A 202. Public School Art. One quarter. *Three hours credit.*

Experience with applied art. Project course. Exploration of methods and materials used in Public School Art: crayon, chalk, water color, tempera, ink, finger painting, college work, crayon etching, paper mosaic, paper sculpture. Final project.

A 203. Public School Art. One quarter. *Three hours credit.*

Handcrafts and advertising art. Projects in block printing, clay modeling, soap carving, metal work, basketry, poster making and lettering, stressing the laws of good lettering with a working knowledge of the basic alphabets. Final project.

A 211, 212, 213. Art. (Private Instruction.) Three quarters. *One hour credit each quarter.*

These courses stress the study of fundamental principles of composition and their use and practical application in original and creative works. The student is given a wide choice of subject matter, and is encouraged to experiment in many techniques and media in order to develop skill and understanding of all types of materials. Drawing may be done in pencil, pen and ink, conte crayon, and charcoal. Also work done in pastels. Painting, water colors, casein tempera, and oils. Work is done from still-life studies, flowers, and live models, as well as outdoor sketching in the fall and spring. Students are advanced from one subject to another as rapidly as individual ability allows.

A 301. Art Appreciation and History. One quarter. *Three hours credit.*

Through the study of the history of art this course deals with the artistic values relating to the development of the fine arts, with emphasis on picture analysis and pictures as sources of aesthetic pleasure; also

the principles of design and the meaning and use of color in everyday life. This is carried out by the study of painting, sculpture, architecture, and the minor arts, in chronological order. Beginning with prehistoric and primitive arts the course proceeds through the art of Egypt, Greece, Rome, the Early Christian and Byzantine Periods, Romanesque and Gothic.

A 302. Art Appreciation and History. One quarter. *Three hours credit.*

The course begins with art of India, China, Japan, and the Italian Renaissance. It continues through Flemish, Dutch, Spanish, English, the American Indian and Mexican art, the art of the United States. French art, and twentieth century art.

A 311, 312, 313. Art. (Private Instruction.) Three quarters. *One hour credit each quarter.*

These courses are a continuation of A 211-2-3 in a more advanced form. More abstract and non-representational work may be done after the basic principles of design and color theory have been acquired.

Commercial art; projects in advertising lay-outs and techniques. Designing; creative original patterns for specific purposes. Advanced painting; portrait, still-life, flower, landscape. Jewelry; enameling on copper, and firing in electric kiln. Clay modeling.

BIOLOGY

The major in Biology requires a minimum of 36 quarter hours of Biology which must include the following courses:

(a) B 101-2-3 (General Biology) 12 hours
or B 201 (Plant Morphology), B 202 (Invertebrate Zoology), and B 203 (Vertebrate Zoology) 12 hours
(b) B 251 (Comparative Vertebrate Anatomy) 5 hours
(c) B 232 (Principles of Genetics) 3 hours
(d) B 243 (Comparative Vertebrate Embryology) 4 hours
(e) B 342 (Animal Physiology) 4 hours
or B 442 (Plant Physiology) 4 hours

In addition the student must complete the following courses:

(a) C 101-2-3 (General Chemistry) 12 hours
(b) C 301-2-3 (Organic Chemistry) 12 hours
or P 211-2-3 (General Physics) 12 hours
Both strongly recommended.

A minor in Biology requires a minimum of 27 quarter hours which must include B 101-2-3 or B 201-2-3. In addition the student must satisfactorily complete C 101-2-3 (General Chemistry).

Students majoring in Biology should anticipate continuing their education in Graduate School. Graduate work is recommended because of the limited opportunities for persons who do not have advanced degrees. In order to qualify for continued education at the graduate level, all biology majors are strongly urged to take a minimum of two years of foreign language (German, French, or Russian). Numerous fellowships and assistantships are available for financial assistance during graduate studies.

Tennessee Wesleyan College is affiliated with the Gulf Coast Research Laboratory in Ocean Springs, Mississippi. This affiliation permits students to enroll in marine biology courses that would otherwise be unavailable this far inland. Registration for the summer courses is in Athens with adequate room and board available in Ocean Springs.

The following is a proposed curriculum for students wishing to major in Biology:

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
Foreign Language	9
Science (C 101-2-3)	12
H 101-2-3	9
M 104-5-6 or M 121-2	9-10
Sp 201	3
PE 101-2-3	3
	54-55

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
Foreign Language	9
B 101-2-3 or B 201-2-3	12
R 201-2-3	9
Science	12
PE 201-2-3	3
	54

THIRD YEAR

Subject	*Hours*
B 251, 232, 243	12
Social Science	9
Minor	9
Electives	18
	48

FOURTH YEAR

Subject	*Hours*
B 342 or 442	4
R 400	3
Biology courses	8
Minor	18
Electives	15
	48

B 101, 102, 103. General Biology. Three quarters. *Four hours credit each quarter.*

Primary emphasis is placed on basic and permanent biological principles.

B 101: The relationship of biology to the other natural sciences including the scientific method as a means of inquiry; emphasis is upon the molecular organization of living matter, especially as it applies to cellular structure and function; consideration of the dynamic aspects of metabolism, respiration, circulation, excretion, and coordination as they pertain to various levels of biological organization up to and including the individual environment.

B 102: A survey of animals and plants; includes a review of the diversity which organisms display and the manner in which they are classified; the behavior and adaptation of organisms in response to their environment.

B 103: Consideration given to the processes of animal and plant growth, embryonic development and differentiation, asexual and sexual reproduction, regeneration and heredity, the evolutionary concept of change as it applies to individual organisms and populations.

Each course, three hours lecture and one two-hour laboratory demonstration per week.

B 141. Introduction to Marine Biology.* Summer quarter. *Six hours credit.*

Designed to acquaint teachers and beginning students with the sea coast. Field trips to varied habitats will be made. Shrimping grounds, oyster reefs, and personal teaching collections of marine organisms. Prerequisite: 12 quarter hours of biology or permission of the instructor.

*Offered only at the Gulf Coast Research Laboratory in Mississippi and taught by staff there.

B 201. Plant Morphology. One quarter. *Four hours credit.*

A survey of the plant kingdom stressing structure, reproduction, development, taxonomy, and evolution. Prerequisite: General biology or its equivalent. Two hours lecture, four hours laboratory per week.

B 202. Invertebrate Zoology. One quarter. *Four hours credit.*

The biology, taxonomy, and natural history of invertebrate animals. In the laboratory the collection, identification and preservation of local invertebrates will be stressed. Students will be encouraged to make individual collections and conduct independent studies. Prerequisite: General biology or its equivalent. Three hours lecture, three hours laboratory per week.

B 203. Vertebrate Zoology. One quarter. *Four hours credit.*

The biology, taxonomy, and natural history of vertebrate animals. In the laboratory the collection, identification and preservation of local vertebrate fauna will be stressed. Prerequisite: General biology or its equivalent.

B 232. Principles of Genetics. One quarter. *Three hours credit.*

Fundamental principles of heredity and the role of the gene as applied to both plants and animals. Prepared materials and experiments with fruit fly colonies and plant seedlings will be used in the laboratory to illustrate basic genetic ratios. Prerequisites: General biology or its equivalent. Two hours lecture, two hours demonstration-laboratory per week.

B 235. Human Anatomy. One quarter. *Three hours credit.*

An introduction to the structural anatomy and general function of the human body. Not accepted as credit toward a major or minor in Biology. Three hours lecture per week.

B 241. Microbiology. One quarter. *Four hours credit.*

An introduction to the principles and techniques for the study and identification of microorganisms other than protozoans. Three hours lecture, three hours laboratory per week. Offered in alternate years.

B 243. Comparative Vertebrate Embryology. One quarter. *Four hours credit.*

A study of the developmental morphology of selected vertebrate embryos. Prepared materials will be studied in the laboratory and supplemented with available living material. Prerequisites: B 251 and B 232. Two hours lecture, six hours laboratory.

B 251. Comparative Vertebrate Anatomy. One quarter. *Five hours credit.*

A systematic comparison of the evolutionary changes in the organ systems of vertebrates. Representatives of existing vertebrate classes will be examined in laboratory. Prerequisites: At least one year of general biology. Three hours lecture, six hours laboratory per week.

B 340. Environmental Conservation. One quarter. *Four hours credit.*

An ecological approach to the underlying principles and philosophy of the conservation of natural resources with emphasis on the dependency of human populations to the biotic resources produced by the land

and waters of the world. Not accepted for credit if B 443 is taken. Three hours lecture, two hours laboratory per week.

B 342. Animal Physiology. One quarter. *Four hours credit.*

An introduction to the function of the vertebrate body including man. Experiments demonstrating physiological principles and techniques will be conducted in the laboratory. Prerequisites: B 251 or 243 and general chemistry. Three hours lecture, three hours laboratory per week. Offered in alternate years.

B 361. Marine Invertebrate Zoology.* Summer quarter. *Nine hours credit.*

A general study of the anatomy, life histories, distributions, and phylogenetic relationships of all marine phyla below the chordates. Laboratory and field work will be included. Prerequisite: 18 quarter hours of biology and junior standing.

B 362. Marine Vertebrate Zoology and Ichthyology.* Summer quarter. *Nine hours credit.*

A general study of the marine chordata, including lower groups and the mammals and birds, with most emphasis on the fishes. Prerequisite: 18 quarter hours of biology and junior standing.

B 363. Introduction to Marine Botany.* Summer quarter. *Six hours credit.*

A survey, based on local examples, of the principal groups of marine algae and maritime flowering plants, treating structure, reproduction, distribution, identification and ecology. Prerequisites: 15 quarter hours of biology, including introductory botany or consent of the instructor.

B 411, 412, 413. Seminar in Biology. Three quarters. *One hour credit each quarter. Maximum credit three hours.*

Review, presentation and discussion of new concepts and advances in the biological sciences as presented in original publications including biological journals, periodicals and books. Prerequisites: At least a year of introductory biology and Senior status. One hour per week.

B 442. Plant Physiology. One quarter. *Four hours credit.*

The life processes of plants including mineral nutrition, photosynthesis, transpiration, digestion, translocation, respiration and growth. Prerequisites: General biology or B 201 and general chemistry. Three hours lecture, three hours laboratory per week. Offered in alternate years.

B 443. Principles of Ecology. One quarter. *Four hours credit.*

Relations of plants and animals to their environment with emphasis on climatic, soil and other factors influencing their ecological groupings and distribution. Prerequisites: Senior status. Two hours lecture, four hours laboratory per week including at least two extended field trips outside of laboratory hours.

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*Offered only at the Gulf Coast Research Laboratory in Mississippi and taught by staff there.

BUSINESS ADMINISTRATION

The Department of Business Administration offers majors in Accounting, Business Education, General Business, and Office Administration.

Accounting

A major in Accounting provides vocational and professional training in the field of general accountancy as well as preparation for the fields of production, finance, and marketing. The major consists of 63 quarter hours and must include the following:

(a) BA 101 Introduction to Business
(b) BA 102 Mathematics of Finance
(c) BA 111 Beginning Typewriting
(d) BA 201-2-3 Principles of Accounting
(e) BA 301-2-3 Intermediate Accounting
(f) BA 304-5-6 Business Law
(g) BA 315 Business Letter Writing
(h) BA 401 Cost Accounting
(i) BA 403 Auditing
(j) BA 404-5 Tax Accounting
(k) BA 408 Accounting Systems
(l) BA 417-8 Statistics
(m) BA 450 Accounting Seminar

In addition the student must satisfactorily complete the following courses:

(a) Ed 201 General Psychology
(b) Ec 201-2-3 Principles of Economics

The following is a proposed curriculum for students wishing to major in Accounting.

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
BA 101, 102, 111*	9
H 101-2-3	9
M 104-5-6	9
Electives	9
PE 101-2-3	3
	48

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
R 201-2-3	9
Science	12
BA 201-2-3	9
Electives	9
PE 201-2-3	3
	51

THIRD YEAR

Subject	*Hours*
Ec 201-2-3	9
BA 304-5-6	9
Sp 201	3
Ed 201	3
BA 301-2-3	9
BA 315	3
Elective	3
Minor	9
	48

FOURTH YEAR

Subject	*Hours*
BA 417, 418	6
R 400	3
BA 404, 405	6
BA 401, 403, 408	9
BA 450	3
Minor	18
	45

*Students with one year or more of high school typewriting substitute an elective for BA 111. See course description before enrolling for BA 111.

Business Education

A major in Business Education is the program designed for prospective teachers of business subjects. Adherence to this program will result in the granting of a teaching certificate in the area of business in the State of Tennessee. The major consists of 42 quarter hours and must include the following:

(a) 15 hours in Area of Certification
(b) BA 101 Introduction to Business
(c) BA 102 Mathematics of Finance
(d) BA 201-2-3 Principles of Accounting
(e) BA 313 Office Machines
(f) BA 315 Business Letter Writing
(g) BA 417-8 Statistics

In addition the student must complete:

(a) Ec 201-2-3. Principles of Economics.
(b) All of the requirements by the Education Department for Certification.

The following is a proposed curriculum for students majoring in Business Education.

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
BA 101, 102, 111*	9
H 101-2-3	9
M 104-5-6	9
Electives	9
PE 101-2-3	3
	48

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
R 201-2-3	9
Science	12
Electives	9
Area of Certification**	6
Ed 103	3
PE 201-2-3	3
	51

THIRD YEAR

Subject	*Hours*
Ec 201-2-3	9
BA 201-2-3	9
Sp 201	3
Ed 201-2	6
Ed 301, 303, 307	9
HEd 206 or 209	3
Area of Certification	9
	48

FOURTH YEAR

Subject	*Hours*
BA 417-8	6
R 400	3
BA 313, 315	6
SS 323	3
Ed 468	3
Ed 469	3
Ed 454	6
Ed 466A	6
Area of Certification	9
	45

General Business

A major in General Business is recommended for students interested in a broad business training without special emphasis in a particular area of study. It is specifically designed for those students desiring a combination of liberal arts and business training. The major consists of 57 quarter hours of courses in the department and must include the following:

*Students with one year or more of high school typewriting substitute an elective for BA 111. See course description before enrolling for BA 111.

**See Tennessee Regulations for Certification of Teachers, 1962.

(a) BA 101 Introduction to Business
(b) BA 102 Mathematics of Finance
(c) BA 111 Beginning Typewriting
(d) BA 201-2-3 Principles of Accounting
(e) BA 304-5-6 Business Law
(f) BA 315 Business Letter Writing
(g) BA 404-5 Tax Accounting
(h) BA 417-8 Statistics

In addition the student must satisfactorily complete the following courses:

(a) Ed 201 General Psychology
(b) Ec 201-2-3 Principles of Economics
(c) Ec 312-3 Money and Banking

The following is a proposed curriculum for students wishing to major in General Business.

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
BA 101, 102, 111*	9
H 101-2-3	9
M 104-5-6	9
Electives	9
PE 101-2-3	3
	48

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
R 201-2-3	9
Science	12
BA 201-2-3	9
Electives	9
PE 201-2-3	3
	51

THIRD YEAR

Subject	*Hours*
Ec 201-2-3	9
BA 304-5-6	9
Sp 201	3
Ed 201	3
BA 315	3
Dept. Electives	9
Other Electives	3
Minor	9
	48

FOURTH YEAR

Subject	*Hours*
BA 417-8	6
R 400	3
BA 404-5	6
Ec 312-3	6
Dept. Electives	6
Minor	18
	45

Office Administration

A major in Office Administration is offered to those interested in training for office positions, with special emphasis on office management and secretarial science. The major consists of 66 quarter hours and must include the following:

(a) BA 101 Introduction to Business
(b) BA 102 Mathematics of Finance
(c) BA 111 Beginning Typewriting
(d) BA 112 Intermediate Typewriting
(e) BA 201-2-3 Principles of Accounting
(f) BA 210 Applied Typewriting
(g) BA 211-2-3 Shorthand
(h) BA 310 Advanced Typewriting
(i) BA 311-2 Secretarial Science

*Students with one year or more of high school typewriting substitute an elective for BA 111. See course description before enrolling for BA 111.

(j) BA 313 Office Machines
(k) BA 315 Business Letter Writing
(l) BA 414 Secretarial Office Practice
(m) BA 417-8 Statistics

In addition the student must satisfactorily complete the following courses:

Ed 201 General Psychology
Ec 201-2-3 Principles of Economics

The following is a proposed curriculum for students wishing to major in Office Administration:

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
BA 101, 102, 111*	9
H 101-2-3	9
M 104-5-6	9
Electives	9
PE 101-2-3	3
	48

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
R 201-2-3	9
Science	12
BA 112, 210, 310	6
Electives	9
PE 201-2-3	3
	48

THIRD YEAR

Subject	*Hours*
Ec 201-2-3	9
BA 211-2-3	9
Sp 201	3
Ed 201	3
BA 315	3
BA 201-2-3	9
BA 313	3
Minor	9
	48

FOURTH YEAR

Subject	*Hours*
BA 417-8	6
R 400	3
BA 311-2	6
BA 414	3
Dept. Electives	12
Minor	18
	48

A minor in Business Administration requires 30 quarter hours of courses and must include:

BA 101 Introduction to Business
BA 201-2-3 Principles of Accounting

TWO-YEAR SECRETARIAL PROGRAM

Students who are desirous of training in Business Administration but who do not wish to pursue a program leading to a degree are invited to enroll in the Two-Year Secretarial Program. Students completing the program as outlined below will be awarded a certificate of achievement. All credits earned in this program may be applied toward a Bachelor of Science degree. Further information concerning the program may be obtained by contacting the chairman of the Department of Business Administration.

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*Students with one year or more of high school typewriting substitute an elective for BA 111. See course description before enrolling for BA 111.

First Year

Freshman Composition (E 101-2-3)	9 qtr. hrs.
Fundamental Concepts of Mathematics (M 104-5-6)	9
Physical Education (PE 101-2-3)	3
*Beginning Typewriting (BA 111)	3
Intermediate Typewriting (BA 112)	2
Applied Typewriting (BA 210)	2
Beginning Shorthand (BA 211-2-3)	9
Introduction to Business (BA 101)	3
Mathematics of Finance (BA 102)	3
Office Equipment & Procedures (BA 313)	3
	46 qtr. hrs.

Second Year

Masterpieces of World Literature (E 201-2-3)	9 qtr. hrs.
Survey of the Bible (R 201-2-3)	9
Principles of Economics (Ec 201)	3
Speech (Sp 101 or 201)	3
Function & Operation of IBM Machines (BA 330)	3
Principles of Accounting (BA 201-2-3)	9
Secretarial Science (BA 311-2)	6
Business Law (BA 304)	3
Advanced Typewriting (BA 310)	2
Business Letter Writing (BA 315)	3
Secretarial Office Practice (BA 414)	3
	53 qtr. hrs.

First Year

(Fall)		(Winter)		(Spring)		
E 101	3	E 102	3	E 103	3	
M 104	3	M 105	3	M 106	3	
PE 101	1	PE 102	1	PE 103	1	
BA 111	3	BA 112	2	BA 210	2	
BA 211	3	BA 212	3	BA 213	3	
BA 101	3	BA 313	3	BA 102	3	
	16		15		15	46

Second Year

(Fall)		(Winter)		(Spring)		
E 201	3	E 202	3	E 203	3	
R 201	3	R 202	3	R 203	3	
Ec 201	3	BA 330	3	Sp 101 or 201	3	
BA 311	3	BA 312	3	BA 203	3	
BA 201	3	BA 202	3	BA 315	3	
BA 304	3	BA 310	2	BA 414	3	
	18		17		18	53

A 101. Introduction to Business. One quarter. *Three hours credit.*

A survey of the field of business designed to give the student essential familiarity with the terminology and services of the different types of business organization and to serve as an introduction to the business courses offered in succeeding quarters.

**Students with one year or more of high school typewriting substitute an ective for BA 111. See course description before enrolling for BA 111.

BA 102. Mathematics of Finance. One quarter. *Three hours credit.*

A course in mathematics as applied to business and finance. Includes simple and compound interest, discounts, annuities, amortization, sinking funds, depreciation, bonds, and insurance.

BA 111. Beginning Typewriting. One quarter. *Three hours credit.*

Techniques of touch typewriting are taught with emphasis upon speed and accuracy in the use of the keyboard and operative parts of the typewriter. Spelling, word-division, personal-business letters, centering, simple tabulations, and erasing are studied. Students who have successfully completed as much as one year of typewriting in high school *cannot* receive credit for BA 111 and should enroll in BA 112. Five hours each week.

BA 112. Intermediate Typewriting. One quarter. *Two hours credit.*

A review of the fundamental techniques of typewriting through skill building exercises and the application of the skills to the arrangement and production of business letters, tabulations, business forms, manuscripts, stencils, and legal documents. Prerequisite: BA 111 or one year of high school typewriting.

BA 201. Principles of Accounting. One quarter. *Three hours credit.*

The beginning course in a study of double-entry accounting. The fundamental principles of accounting relating to the single proprietorship type of business enterprise is presented, including the basic structure of accounting, the accounting cycle for a service establishment, the accounting cycle for a merchandising enterprise, and the accounting for notes, prepayments, and accruals. Six hours per week.

BA 202. Principals of Accounting. One quarter. *Three hours credit.*

A continuation of BA 201. Includes the study of receivables, inventory, plant assets, payrolls, taxes, and partnership accounting. Prerequisite: BA 201. Six hours each week.

BA 203. Principles of Accounting. One quarter. *Three hours credit.*

A continuation of BA 202. Includes the study of corporation, departmental, branch, and manufacturing accounting with special emphasis on accounting reports for management, creditors, and investors. Prerequisite: BA 202. Six hours per week.

BA 210. Applied Typewriting. One quarter. *Two hours credit.*

Special emphasis is placed on techniques, speed, and accuracy in the production of business letters, form letters, payrolls, invoices, forms of office and statistical reports, legal documents, minutes and business reports in manuscript style. Prerequisite: BA 112 or two years of high school typewriting.

BA 211. Shorthand Theory. One quarter. *Three hours credit.*

The beginning course in Gregg Shorthand. The entire theory of Gregg Shorthand is presented. Intensive training in hearing, reading, and writing shorthand is given with an introduction to dictation-taking techniques. Pretranscription skills in spelling, punctuation, English, and typewriting are developed. Five hours each week. Prerequisites: BA 111 or one year of high school typewriting.

BA 212. Shorthand Dictation and Transcription. One quarter. *Three hours credit.*

A continuation of BA 211. An intensive review of all shorthand principles, brief forms, and phrasing is accomplished through directed penmanship practice and dictation. Efficient use and handling of dictation materials are practiced. The composite skill of writing, reading, and transcribing into correct English and typewritten form is developed through dictation of varied and typical business letters and reports. Five hours each week. Prerequisite: BA 211.

BA 213. Shorthand Dictation and Transcription. One quarter. *Three hours credit.*

A continuation of BA 212 with emphasis upon the production of "mailable" letters from shorthand notes taken in dictation practice. Five hours each week. Prerequisite: BA 212.

BA 301. Intermediate Accounting. One quarter. *Three hours credit.*

A continuation of BA 203. Topics covered include working papers, closing procedures, financial statements, net income concepts, corrections of prior years' earnings, capital stock, surplus, dividends, and stockholders' equity. Prerequisite: BA 203. Six hours each week.

BA 302. Intermediate Accounting. One quarter. *Three hours credit.*

A continuation of BA 301. Topics covered include accounting principles, cash, accounts receivable, inventories, investments, tangible fixed assets, intangible fixed assets, liabilities, and reserves. Prerequisite: BA 301. Six hours each week.

BA 303. Intermediate Accounting. One quarter. *Three hours credit.*

A continuation of BA 302. Topics covered include the analysis of working capital, analysis of operations, statement of application of funds, cash flow statement, statement from incomplete records, quasi-reorganizations, business combinations, income tax allocation, and price-level impact on financial statements. Prerequisite: BA 302. Six hours each week.

BA 304, 305, 306. Business Law. Three quarters. *Three hours credit each quarter.*

Fundamental principles of law; its types, divisions, origin, and sources; the administration of law, contracts; legal principles of agency, employer and employee, negotiable instruments, the general legal principles of principal and surety, insurer and insured, bailor and bailee, carriers and shippers or passengers, vendor and vendee, and relations of partnership, legal principles in relation to corporations, property, deeds of conveyance, mortgages, landlord and tenant, torts, business crimes, and bankruptcy.

BA 310. Advanced Typewriting. One quarter. *Two hours credit.*

A complete review of typewriting techniques is presented with special attention to shortcuts and efficient work habits. Additional speed and accuracy are developed. Special attention is given to spelling, punctuation, and English usage. Prerequisite: BA 210.

BA 311. Secretarial Science. One quarter. *Three hours credit.*

A continuation of BA 213. Speed is developed in taking and transcribing shorthand notes into mailable letters and usable manuscripts. All factors in stenographic production are stressed: specialized vocabu-

laries, spelling, word usage, punctuation, English grammar, proofreading, and the arrangement and handling of materials. Prerequisite: BA 213. Five hours each week.

BA 312. Secretarial Science. One quarter. *Three hours credit.*

A continuation of BA 311. Prerequisite: BA 311. Five hours each week.

BA 313. Office Equipment and Procedures. One quarter. *Three hours credit.*

Instruction and practice in the operation of electric and manual key-driven and rotary calculators, adding machines, bookkeeping machines, dictating machines, duplicating machines (stencil, spirit, and gelatin), and selection of equipment. A knowledge of filing systems is developed. Prerequisites: BA 111 or one year of high school typewriting.

BA 315. Business Letter Writing. One quarter. *Three hours credit.*

A course designed to present the principles and practices necessary for effective business correspondence. The various forms and types of business communication are emphasized through directed study and the writing of effective business letters. Prerequisites: BA 111, or one year of high school typewriting, and E 103.

BA 330. Function and Operation of IBM Machines. One quarter. *Three* hours credit.

The development of punched-card accounting systems, including lectures and wiring problems on the IBM 402 Accounting Machine, the IBM 82 Sorter, and the IBM 26 Printing Card Punch. A complete system using the equipment will be studied. Students are required to complete a case problem involving the programming, wiring, and operation of the IBM 402 Accounting Machine.

BA 331. Punched Card Methods. One quarter. *Three hours credit.*

A continuation of BA 330. A further study of punched-card equipment including the collater and reproducer. The design of cards and forms with emphasis on producing management reports is emphasized. Prerequisite: BA 330.

BA 332. Introduction to Electronic Data Processing. One quarter. *Three* hours *credit.*

A survey of computers and peripheral equipment and their use in business applications. Lecture and problems covering basic programming, arithmetic and logical functions, block diagramming, and other operations related to card and card-tape machines. Prerequisite: BA 331.

BA 352. Merchandising. One quarter. *Three hours credit.*

Presented are the principles and practices for the efficient management of the modern retail business. Attention is focused on the basic management factors essential to sound planning, profitable operations, and effective control of retailing procedures, systems, and techniques. Small, medium-sized and large-scale retail operations are covered with special emphasis on the most recent developments in the retail field.

BA 401. Cost Accounting. One quarter. *Three hours credit.*

Cost accounting as a management tool is stressed throughout the course. Study includes the fundamentals of cost accounting, the elements of cost, process and estimated cost procedures, budgetary control with standard costs, and cost and profit analysis for decision making. Prerequisite: BA 203.

BA 403. Auditing. One quarter. *Three hours credit.*

Study includes audit working papers, auditing original records, cash securities, receivables, inventories, fixed assets, deferred items, current liabilities, fixed liabilities, proprietorship, and the income statement audits. The audit report, detailed audit, credit investigations, and internal auditing are also included. Prerequisite: BA 203.

BA 404. Tax Accounting. One quarter. *Three hours credit.*

Provisions of the Federal Revenue Act as pertains to the taxing of the individual and business income is presented. Practice is given in the preparation of tax returns. Prerequisite: BA 203.

BA 405. Advanced Tax Accounting. One quarter. *Three hours credit.*

A continuation of BA 404 with emphasis on tax problems involving inventories, capital stock, estates, trusts, social security taxes, partnerships, and corporations. Prerequisite: BA 404.

BA 408. Accounting Systems. One quarter. *Three hours credit.*

A practical study of the developing, organizing, and using accounting data for the purpose of installing or improving accounting systems for the various types of business enterprises. Prerequisite: Eighteen hours of Accounting.

BA 411. Marketing. One quarter. *Three hours credit.*

A practical study of the principles and methods of marketing. Topics covered include consumer motivation and behavior, the development of retailing, wholesaling consumers' and industrial goods, commodity exchanges, marketing research, product development, selling policies, nonprice competition, pricing under different competitive conditions, and governmental relationships to marketing.

BA 412. Advertising. One quarter. *Three hours credit.*

Both the creative and managerial aspects are presented with major attention devoted to retail advertising. The use of advertising to stimulate primary and selective demands, the building of advertising programs, and the advertising agency are included in the study.

BA 413. Credit and Collections. One quarter. *Three hours credit.*

This course entails a study of the granting of credit, sources of credit information, credit investigations, the causes of business failures, and the organization of the credit department. The latter part of the course is devoted to the subject of collections, including a thorough study of the problems of the collector, the collection procedure, the rights of creditors, and installment collections.

BA 414. Secretarial Office Practice. One quarter. *Three hours credit.*

A study of the selection and arrangement of office equipment and supplies, the organization of an office, secretarial duties, business personality and ethics. A practical application of all stenographic skills and knowledge obtained in the classroom. Work experience in offices on the campus or in the city of Athens is obtained as a major requirement of the course. Prerequisite: Approval of the instructor.

BA 416. Business Psychology. One quarter. *Three hours credit.*

A study of the relationships between the individual business administrator and his superiors, the employees he supervises, and his associates at his same level in the company organization. Includes methods of

employee selection, adapting the worker to the job, increasing personnel efficiency, and the approaches to developing good human relationships and technical research. Prerequisite: Ed 201.

BA 417. STATISTICS. One quarter. *Three hours credit.*

A study of statistical sources and the collection of data; the presentation of data in tables, charts, and reports; the computation of ratios, percentages, averages, and dispersions.

BA 418. STATISTICS. One quarter. *Three hours credit.*

A continuation of BA 417 including computation of frequency distributions, sampling errors, index numbers, correlations, and measures of reliability. Prerequisite: BA 417.

BA 450. ACCOUNTING SEMINAR. One quarter. *Three hours credit.*

Presentation and discussion of current professional accounting problems taken from examinations administered for the Certified Public Accountant Certificate. *Admission by approval of instructor.*

CHEMISTRY

A major in the field of Chemistry consists of at least 39 quarter hours above the 100 level. The following must be included in the major:

(a) C 211-2-3 (Analytical Chemistry) 12 hours
(b) C 301-2-3 (Organic Chemistry) 12 hours
(c) C 401-2-3 (Physical Chemistry) 12 hours
(d) C 451-2-3 (Seminar in Chemistry) 3 hours

In addition the student must satisfactorily complete the following courses:

(a) M 221-2-3 (Calculus) 15 hours
(b) P 211-2-3 (General Physics) 12 hours
(c) G 201-2-3—9 hours (Preferred)
or F 201-2-3—9 hours
Spanish is excluded.

It is strongly recommended that each Chemistry major take a year of Economics.

The minor in the field of Chemistry consists of 27 quarter hours including the 100 level. C 451-2-3 and C 207-8-9 cannot count toward a minor in Chemistry.

The following is a proposed curriculum for students wishing to major in Chemistry.

FIRST YEAR		SECOND YEAR	
Subject	*Hours*	*Subject*	*Hours*
E 101-2-3	9	E 201-2-3	9
C 101-2-3	12	C 301-2-3	12
M 121-2-3	15	P 211-2-3	12
H 101-2-3	9	M 221-2-3	15
PE 101-2-3	3	PE 201-2-3	3
	48		51

THIRD YEAR

Subject	*Hours*
C 211-2-3	12
R 201-2-3	9
Foreign Language (German or French)	9
C 401-2-3	12
Social Science	9
Sp 201	3
	54

FOURTH YEAR

Subject	*Hours*
C 451-2-3	3
Foreign Language (German or French)	9
R 400	3
Electives	24
	39

A major in Chemistry Education consists of at least 36 quarter hours of Chemistry including the 100 level. The following must be included in the major.

(a) C 101-2-3 (General Chemistry) 12 hours

(b) C 211-2-3 (Analytical Chemistry) 12 hours

(c) C 301-2-3 (Organic Chemistry) 12 hours

In addition the student must satisfactorily complete the following courses:

(a) M 121-2-3 (Unified Algebra and Plane Trigonometry and Analytics) 15 hours

(b) P 211-2-3 (General Physics) 12 hours

(c) G 201-2-3—9 hours
or F 201-2-3—9 hours

(d) All the courses required by the education department for certification.

The following is a proposed curriculum for students wishing to major in Chemistry Education.

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
C 101-2-3	12
H 101-2-3	9
M 121-2-3	15
Ed 103	3
PE 101-2-3	3
	51

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
C 211-2-3 or C 301-2-3	12
R 201-2-3	9
Ed 201-2	6
Ed 303	3
HEd 206	3
PE 201-2-3	3
	45

THIRD YEAR

Subject	*Hours*
C 301-2-3 or C 211-2-3	12
Ed 301, 307, 468	9
Sp 201	3
HEd 209	3
Foreign Language (German or French)	9
P 211-2-3	12
	48

FOURTH YEAR

Subject	*Hours*
R 400	3
Ed 454	6
Ed 466	6
Ed 469	3
Social Science	9
Foreign Language (German or French)	9
Electives	12
	48

C 101, 102, 103. General Chemistry. Three quarters. *Four hours credit each quarter.*

A general survey of the properties of substances and the changes which they undergo. The third quarter laboratory will consist of an introduction to qualitative analysis. Three hours lecture and three hours laboratory per week.

C 207, 208, 209. Physical Science Survey. Three quarters. *Four hours credit each quarter.*

A survey course embracing the fields of physics, chemistry, geology, and astronomy. Particular emphasis is placed upon the methods of obtaining scientific knowledge and upon understanding the world in which we live. Three hours lecture, one demonstration-laboratory per week. *Does not count toward a major or a minor in chemistry nor a* minor in science. C 207, 208 not open to students who have had P 211, 212, 213.

C 211, 212, 213. Analytical Chemistry. Three quarters. *Four hours credit each quarter.*

The first and second quarters will be devoted to the principles and applications of the classical methods of separation and determination of substances. The third quarter will consist of an introduction to the simpler instrumental techniques and more modern methods of detection and separation of materials. Two hours lecture and six-eight hours laboratory per week. Prerequisite: C 101, 102, 103.

C 301, 302, 303. Organic Chemistry. Three quarters. *Four hours credit each quarter.*

A study of the compounds of carbon. Properties and reactions of organic compounds are considered in the light of modern structural theory. The laboratory consists of preparation and the study of reactions of typical carbon compounds. Three hours lecture and four hours laboratory per week. Prerequisite: C 101, 102, 103.

C 315. Inorganic Chemistry. One quarter. *Three hours credit.*

A study of some of the modern theories of inorganic chemistry. Some of the topics studied are atomic and molecular structure, nuclear and radiochemistry, and non-aqueous solvent systems. Three hours lecture per week. Prerequisite: C 101, 102, 103.

C 401, 402, 403. Physical Chemistry. Three quarters. *Four hours credit each quarter.*

A study of the theoretical aspects of chemistry. Emphasis will be on the study of chemical thermodynamics, chemical kinetics, and molecular structure. Three hours lecture and three hours of laboratory per week. Prerequisites: C 211, 212, 213; P 211, 212, 213, and M 221, 222, 223.

C 421. Advanced Analytical Chemistry. One quarter. *Three hours credit.*

A survey of modern analytical methods. Emphasis is placed upon instrumentation, both theory and applications. Two hours lecture and two hours laboratory per week. Prerequisites: C 211, 212, 213.

C 431. Organic Qualitative Analysis. One quarter. *Three hours credit.*

Separation of mixtures and identification of organic compounds. One hour lecture and six hours of laboratory per week. Prerequisite: C 301, 302, 303.

C 441. Advanced Physical Chemistry. One quarter. *Three hours credit.*

A study of modern theories of the structure of matter. Topics to be covered may be chosen from molecular structure and spectroscopy, further studies of chemical thermodynamics, colloids, kinetics, quantum theory, chemical bonding, or real systems. Three hours lecture per week. Prerequisite: C 401, 402, 403.

C 451, 452, 453. Seminar in Chemistry. Three quarters. *One hour credit each quarter.*

A study of selected topics in chemistry. One hour lecture per week. Both junior and senior chemistry majors are encouraged to participate in these seminars. Admission by permission of instructor only. Does not count toward a minor in chemistry.

C 461, 462, 463. Independent Study in Chemistry. Three quarters. *One hour credit each quarter.*

Directed, original research in some area of chemistry. Students will be expected to familiarize themselves with chemical literature and write orderly reports as well as do laboratory work. Admission by permission of the chemistry staff only.

ECONOMICS

A major in Economics consists of 36 quarter hours above the 100 level.

The following courses must be included in the major:
(a) Ec 201-2-3 (Principles of Economics) 9 hours
(b) Ec 421-2 (History of Economic Thought) 6 hours
(c) Ec 451 (Seminar in Economics) 3 hours

A minor in Economics consists of 27 quarter hours above the 100 level.

The following courses must be included in the minor:
(a) Ec 201-2-3 (Principles of Economics) 9 hours
(b) Ec 421-2 (History of Economic Thought) 6 hours

The following is a proposed curriculum for students wishing to major in Economics.

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
H 101-2-3	9
Foreign Language	9
Science	12
Speech	3
PE 101-2-3	3
	45

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
R 201-2-3	9
Foreign Language	9
M 104-5-6	9
Ec 201-2-3	9
PE 201-2-3	3
	48

THIRD YEAR

Subject	*Hours*
Ec 421-2	6
Major Field	9
Minor Field	18
Electives	18
	51

FOURTH YEAR

Subject	*Hours*
R 400	3
Ec 451	3
Major Field	9
Minor Field	9
Electives	24
	48

Ec 201, 202, 203. Principles of Economics. Three quarters. *Three hours credit each quarter.*

A general study of the basic facts and principles of the production, exchange and distribution of wealth, and forms of business organizations, examination of economic activities, both public and private.

Ec 311. Comparative Economic Systems. One quarter. *Three hours credit.*

A comparison of several of the economic systems operating in the world today including capitalism, as in the U. S., communism, as in the Soviet Union, and socialism, as in the Scandinavian countries.

Ec 308. Labor Problems. One quarter. *Three hours credit.*

A study of wage theories, employment and economic stability, collective bargaining, union activity and labor-management relations. Offered in alternate years.

Ec 312, 313. Money and Banking. Two quarters. *Three hours credit each quarter.*

A study of the monetary and banking systems of the United States, and of monetary theory and policy. Offered in alternate years.

Ec 320. Current Economic Issues. One quarter. *Three credit hours.*

Intended for those students who have completed the first year of economics and wish, through the application of economic principles, to study problems such as automation, unemployment, inflation, and economic growth.

Ec 410. Economic Problems of Local Government. One quarter. *Three hours credit.*

Particular emphasis on problems of taxation and sources of revenue. Offered in alternate years.

Ec 421, 422. History of Economic Thought. Two quarters. *Three hours credit each quarter.*

This course is a survey of the development of economic theory from the beginnings of commercial capitalism. Special attention is given to Keynesian economics and to current neo-classical synthesis.

Ec 451. Seminar in Economics. One quarter. *Three hours credit.*

Courses open to majors in economics.

EDUCATION AND PSYCHOLOGY

Tennessee Wesleyan College offers work in preparation for teaching in both elementary and secondary schools. The College is approved by the State Board of Education as an institution for training teachers. Students who intend to teach in elementary schools will major in elementary education. The major area of study shall constitute the courses listed as content courses on pages 72-73. The secondary major in elementary education shall constitute the professional education courses listed on pages 73-74. A grade of C or better is required in all courses numbered 200 and above in the primary and secondary majors and also in Mathematics 104-5-6. Students who intend to teach in secondary schools will major in the field in which they plan to teach, in addition to having a second major of 36 hours in secondary education. The primary major will be the subject matter field. The general education

requirements of the State of Tennessee are met chiefly through the Foundation Curriculum and the professional education requirements through the 36 hours of required education courses. Students desiring to teach in states other than Tennessee are requested to write the office of education of that state for certification requirements. Persons desiring certification should check with the Chairman of the Division.

The student must satisfactorily complete the following content courses required for certification. Substitutes may be made by consultation with the Department of Education. This program also satisfies the requirements for the Foundation Curriculum and the requirements for a Bachelor's degree from Tennessee Wesleyan College.

(a) Language Arts—18 hours
- E 101, 102, 103 (Freshman Composition) 9 hours
- Sp 101 (Voice and Diction) 3 hours
  or Sp 201 (Introduction to Speech) 3 hours
- E 211 (Library Science) 3 hours
- E 312 (Children's Literature) 3 hours

(b) Natural Science—24 hours
- B 101, 102, 103 (General Biology) 12 hours
- B 340 (Environmental Conservation) 4 hours
- 8 hours from C 207, 208, 209 (Survey of Physical Science) (C 209 preferred)

(c) Mathematics—9 hours
- M 104, 105, 106 (Fundamental Concepts of Mathematics) 9 hours

(d) Humanities—36 hours
- E 201, 202, 203 (Masterpieces of World Literature) 9 hours
- E 306 (American Literature) 3 hours
- R 201, 202, 203 (Survey of the Bible) 9 hours
- R 400 (Christian Ethics and Moral Philosophy) 3 hours
- A 201, 202 (Public School Art) 6 hours
- Mu 317, 318 (Introduction to Listening and Introduction to Music Literature) 6 hours

(e) Health—24 hours
- HEd 206 (Personal Hygiene) 3 hours
- HEd 209 (Community Hygiene) 3 hours
- SS 323 (Marriage and Family) 3 hours
- HEd 205 (Elementary Nutrition) 3 hours
- PEd 301 (Physical Education for Elementary Teachers) 3 hours
- PEd 305 (Folk Games) 3 hours
- PEd 306 (Safety Education and First Aid) 3 hours
- PE 101, 102, 103 (Physical Education) 3 hours
- PE 201, 202, 203 (Physical Education) 3 hours

(f) Social Science—33 hours
- H 101, 102, 103 (Survey of Western Civilization) 9 hours
- H 204, 205, 206 (History of the United States) 9 hours
- PS 307, 308, 309 (World Geography) 9 hours
- SS 301 (Minority Problems) 3 hours
  or SS 401 (Population Problems) 3 hours
- *H 308 (Tennessee History) 3 hours

*Required for those seeking certification in Tennessee only.

The secondary major in Elementary Education shall consist of at least 36 quarter hours of professional education courses. The following must be included in the major:

(a) Ed 103 (Introduction to Education) 3 hours
(b) Ed 201, 202 (General Psychology) 6 hours
(c) Ed 203 (Child Psychology) 3 hours
(d) Ed 301 (School Management) 3 hours
(e) Ed 307 (Historical, Philosophical, and Sociological Foundations of American Education) 3 hours
(f) Ed 468 (Tests and Measurements) 3 hours
(g) Ed 469 (Organization of Guidance Services) 3 hours
(h) Ed 451 (Teaching the Language Arts in the Elementary School) 3 hours
(i) Ed 452 (Teaching the Social Studies in the Elementary School) 3 hours
(j) Ed 453 (Teaching Arithmetic in the Elementary School) 3 hours
(k) Ed 450A (Directed Teaching in the Elementary School) 6 hours

The following is a proposed curriculum for students wishing to major in Elementary Education:

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
H 101-2-3	9
M 107-8-9	9
PS 307-8-9	9
A 201-2	6
Ed 103	3
PE 101-2-3	3
	48

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
B 101-2-3 or B 201-2-3	12
R 201-2-3	9
Ed 201-2-3	9
HEd 206, 209	6
Sp 101 or Sp 201	3
PE 201-2-3	3
	51

THIRD YEAR

Subject	*Hours*
H 204-5-6	9
**C 207-8-9	8
B 340	4
E 306, E 211	6
Ed 301, 307	6
Ed 451	3
Mu 317, 318	6
SS 323	3
HEd 205	3
	48

FOURTH YEAR

Subject	*Hours*
Ed 452	3
SS 301 or SS 401	3
PEd 301, 305, 306	9
R 400	3
Ed 468, 469	6
E 312	3
H 308	3
Ed 450	6
Electives	9
	48

Any student who wishes to teach in the secondary schools must major in the field in which he plans to teach, in addition to having a second major in secondary education. The primary major will be the subject matter field.

A major in Secondary Education consists of at least 36 quarter hours of professional education courses. The following must be included in the major:

(a) Ed 103 (Introduction to Education) 3 hours
(b) Ed 201, 202 (General Psychology) 6 hours
(c) Ed 301 (School Management) 3 hours
(d) Ed 303 (Educational Psychology) 3 hours

**8 quarter hours from C 207-8-9 is required.

(e) Ed 307 (Historical, Philosophical, and Sociological Foundations of American Education) 3 hours
(f) Ed 468 (Tests and Measurements) 3 hours
(g) Ed 469 (Organization of Guidance Services) 3 hours
(h) Ed 454 (General Methods of Teaching in Grades 7-12) 6 hours
(i) Ed 466A (Directed Teaching in Grades 7-12) 6 hours

In addition, the student must satisfactorily complete the following courses required for certification. Substitutions may be made by consultation with the Department of Education. This program also satisfies the requirements of the Foundation Curriculum and the requirements for a Bachelor's degree from Tennessee Wesleyan College.

(a) Language Arts—12 hours
E 101, 102, 103 (Freshman Composition) 9 hours
Sp 101 (Voice and Diction) 3 hours
or Sp 201 (Introduction to Speech) 3 hours

(b) Natural Science—12-24 hours*
Any Science sequence(s) 12-24 hours

(c) Mathematics—9 hours
M 104, 105, 106 (Fundamental Concepts of Mathematics) 9 hours

(d) Humanities—24 hours
E 201, 202, 203 (Masterpieces of World Literature) 9 hours
R 201, 202, 203 (Survey of the Bible) 9 hours
R 400 (Christian Ethics and Moral Philosophy) 3 hours
A 201 (Public School Art) 3 hours
or Mu 317 (Introduction to Listening) 3 hours

(e) Health—12 hours
HEd 206 (Personal Hygiene) 3 hours
or HEd 209 (Community Hygiene) 3 hours
SS 323 (Marriage and Family) 3 hours
PE 101, 102, 103 (Physical Education) 3 hours
PE 201, 202, 203 (Physical Education) 3 hours

(f) Social Science—18 hours
H 101, 102, 103 (Survey of Western Civilization) 9 hours
Social Science sequence (other than history) 9 hours

A minor in *Education* requires a minimum of 27 quarter hours which may include any education course with the exception of Ed 454, Ed 450, and Ed 466.

The following courses must be included in the minor:
(a) Ed 103 (Introduction to Education) 3 hours
(b) Ed 201, 202 (General Psychology) 6 hours
(c) Ed 468 (Tests and Measurements) 3 hours
(d) Ed 469 (Organization of Guidance Services) 3 hours

Ed 103. Introduction to Education. One quarter. *Three hours credit.*

An introduction to the teaching profession. Attention will be given to the following: Teaching as a career, opportunities in and requirements for teaching, teacher preparation, professional qualities, personality traits, viewpoints in modern education, current regulations for certification,

*12 hours Science for B.A. degree
24 hours Science for B.S. degree

teacher-pupil relations, teacher-community relations, historical backgrounds, psychological and philosophical principles involved, the school as a social institution, educational objectives, the use of school and community resources, routine resources, routine activities, teacher organizations, in-service teacher preparation, instructional techniques, methods of study, supervised study, and individual differences.

Ed 201, 202. General Psychology. Two quarters. *Three hours credit each quarter.*

A general survey of the fields and subject matter of psychology. Sensory processes, native and acquired traits, attention, learning, and the physiological mechanism involved are discussed. Ed 201 is prerequisite to Ed 202.

Ed 203. Child Psychology. One quarter. *Three hours credit.*

The physical and mental development of the child is considered from the period of early childhood through adolescence. Offered in alternate years. Prerequisites: Ed 201, 202.

Ed 301. School Management. One quarter. *Three hours credit.*

A study of the practical problems within the schoolroom, on the playground, and in the community. Prerequisite: Ed 103.

Ed 302. Educational Sociology. One quarter. *Three hours credit.*

Relation of the schools to the community and to other social institutions, social delinquency, social change, social control, social emergencies, and social progress. Offered on demand.

Ed 303. Educational Psychology. One quarter. *Three hours credit.*

A study of the teacher in his task of developing the ability of the student in his courses. A study of the psychological foundations for learning and the procedures by which learning is accomplished, the evaluation of these procedures and the learning products. Prerequisite: Ed 203.

Ed 304. Social Psychology. One quarter. *Three hours credit.*

A study of the basic relations of personality to society and the cultural environment. Problems of prejudice, conflict, mass behavior, group morale, public opinion, and propaganda are considered. Offered on demand. Prerequisites: Ed 201, 202.

Ed 306. Curriculum Improvement. One quarter. *Three hours credit.*

A study of basic principles and current procedures in selection, organization, evaluation, and revision of curriculum materials and activities for elementary and secondary schools. Emphasis will be given to individual and social interests and needs, psychological factors involved, the nature and function of the curriculum, and the relation of the several elements to the total pattern.

Ed 307. Historical, Philosophical, and Sociological Foundations of American Education. One quarter. *Three hours credit.*

To provide an understanding of the significance of the influence of historical, philosophical, and sociological factors and trends on modern educational theory and practice; and ability to integrate these factors in the interpretation of recent trends in school administration, materials and methods of instruction, the needs of the pupil and of society. To provide a broad cultural background for participation in professional and educational activities.

Ed 407. Remedial Reading Workshop. One quarter. *Three hours credit.*

A concentrated study of the reading difficulties of children and an analysis of the means by which the classroom teacher may help to identify the child with retarded reading ability. Stress is placed upon the positive points a teacher may accomplish in helping the child overcome his handicap and improve his reading ability.

Ed 447. The Teaching of Reading in the Elementary School. One quarter. *Three hours credit.*

Presentation of varied procedures used, new approaches to, and research in the teaching of reading. Topics include word analysis techniques, comprehension skills, and developmental sequences in reading growth. Reviews the entire elementary school reading program from the pre-reading readiness stage through reading in the content areas in the intermediate grades.

Ed 448. Reading and Study in the Secondary School. One quarter. *Three hours credit.*

Designed for all subject-matter teachers in the junior and senior high school. Materials and methods for teaching vocabulary, comprehension, and study skills; formal and informal testing, pupil interests, and recreational reading.

Ed 449. Diagnosis of Reading Problems. One quarter. *Three hours credit.*

Diagnostic procedures and techniques in determining causes of reading difficulties and planning instruction to meet individual needs. Use of tests and other aids to diagnosis. Introduction to case reporting and clinic practice.

Ed 450A. Directed Teaching in the Elementary School.* One quarter. *Six hours credit.*

Designed to enable the prospective teacher not only to become familiar with the skills and techniques involved in guiding children in the learning process, but also to gain experience in the school as an agency of the community. Each student teacher will devote 150 clock hours to observation and student teaching. At least 90 clock hours must be devoted to responsible classroom teaching. A $25 fee is charged for Directed Teaching. Permission of Department Head required for enrollment. Prerequisites: Ed 103 to Ed 303; Ed 307; Ed 451-2.

Ed 450B. Directed Teaching in the Elementary School.* One quarter. *Four hours credit.*

A continuation of Ed 450A which is a prerequisite. Each student teacher will devote 100 additional clock hours to observation and student teaching. At least 60 clock hours must be devoted to responsible classroom teaching.

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*To be arranged with the Director of Student Teaching at least six weeks in advance of the quarter when the teaching is to be done. No student will be approved for Directed Teaching unless he has maintained a cumulative average of C (2.00).

Ed 451. Teaching the Language Arts in the Elementary School. One quarter. *Three hours credit.*

An introductory course in the methods and materials employed in the teaching of reading, writing, spelling, and language. The student must demonstrate ability to do cursive and manuscript writing acceptably as a part of the requirement for completing the course.

Ed 452. Teaching the Social Studies in the Elementary School. One quarter. *Three hours credit.*

Designed to acquaint teachers with methods and materials employed in the development of a socially responsible individual in and through the various subject matter areas of the social studies field.

Ed 454. General Methods of Teaching in Grades Seven Through Twelve. One quarter. *Six hours credit.*

Opportunities are offered for students to work with older students and teachers in the same and other subject matter fields in cooperative planning and discussion procedures and activities. Analysis is made of teaching procedures which will be observed in these grades in local school systems. Thirty-six clock hours must be spent by each student in observing the total operation of a secondary school. In addition to the activities relating to preparation for teaching in several areas in grades seven to twelve, each student will be given thorough training in materials and methods in the special area of his certification. Other members of the teaching staff will be asked to assist the professor in charge in providing this specialized preparation. This course must be taken prior to student teaching.

Ed 459. Special Methods in Teaching Physical Education in Grades Seven Through Twelve. One quarter. *Three hours credit.*

An intensive study of the purposes, methods, materials, activities, and evaluation procedures necessary to teaching physical education effectively in grades seven through twelve. Directed observation in the public schools and guidance in the preparation of teaching plans and materials appropriate for teaching physical education on this level.

Ed 466A. Directed Teaching in Grades Seven Through Twelve.* One quarter. *Six hours credit per quarter.*

This course is designed to enable the prospective teacher not only to become familiar with the skills and techniques involved in teaching the subject matter fields, but also to give the prospective teacher experiences in dealing with the school as an agency of the community. Students will have opportunity to study a total school program, to work with teachers in the school, and to teach in the fields of their major interest. Each student teacher will devote 150 clock hours to observation and student

*To be arranged with the Director of Student Teaching at least six weeks in advance of the quarter when the teaching is to be done. No student will be approved for Directed Teaching unless he has maintained a cumulative average of C (2.00).

teaching. At least 90 clock hours must be devoted to responsible classroom teaching. A $25 fee is charged for Directed Teaching. This training is open only to students in their senior year, and approval of the Department Head is required prior to enrollment.

d 466B. Directed Teaching in Grades Seven Through Twelve.* One quarter. *Four hours credit.*

A continuation of Ed 466A. Ed 466A is a prerequisite. 466A and B may be taken simultaneously. Each student teacher will devote 100 additional clock hours to observation and student teaching. At least 60 clock hours must be devoted to responsible classroom teaching.

d 468. Tests and Measurements. One quarter. *Three hours credit.*

A study of techniques for securing diagnostic and achievement data that will, through group and individual testing, give the prospective teacher a better basis for directing his educational efforts. An evaluation of test results and their interpretation. Laboratory practice in administering and interpreting tests.

d 469. Organization of Guidance Services. One quarter. *Three hours credit.*

A functional course in the organization, supervision, and the development of guidance services in our public schools. The course is designed to assist in the evaluation and use of educational and vocational information for correlating interests, abilities, and personality for the best integration of personal living. Attention is given to the mental health and attitudes of the students and teachers in developing a meaningful program of guidance in both elementary and secondary schools.

d 471. Workshop in Education. *Credit variable.*

This course is designed to assist those teaching in the public schools to meet the in-service training requirements of the State of Tennessee. A cooperative course developed by the Department of Education and the local school systems. Three hours credit per quarter with a maximum of 6 hours per school year.

ENGLISH

A major in English requires 39 quarter hours of courses numbered in the 00, 300, and 400 series. Included in the major must be:

(a) 3 hours from: E 302, 303 Shakespeare
(b) 6 hours from: E 304 Milton, E 305 Chaucer
(c) 6 hours from: Periods courses: E 405, E 406, E 416, E 417, E 418
(d) 3 hours from: Types courses: E 306, E 307, E 425, E 431, E 441, E 442
(e) E 201-2-3 Masterpieces of World Literature
(f) E 309 Advanced Grammar

*To be arranged with the Director of Student Teaching at least six weeks advance of the quarter when the teaching is to be done. No student will approved for Directed Teaching unless he has maintained a cumulative verage of C (2.00).

A minor in English requires 27 hours of courses in the 200, 300 and 400 series. Requirements are the same as for a major except for the omission of Advanced Grammar and the elective hours required.

English 101, 102, and 103 (Freshman Composition) is prerequisite to all other courses in the department; it is required of all freshmen and must be taken in sequence.

Freshmen whose test scores indicate superior ability on the English Proficiency Test given during orientation week will be assigned to an honors course in English (HE 101) in the fall quarter. At the end of the fall quarter the student will be at liberty to choose whether he will continue in the honors course or elect to take one of the regular English courses.

English 201, 202, and 203 (World Literature) is prerequisite to all 300 and 400 courses in the department; it is required of all sophomores and must be taken in sequence.

The following is a proposed curriculum for students wishing to major in English:

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
H 101-2-3	9
Foreign Language	9
Science	12
Speech	3
PE 101-2-3	3
	45

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
M 104-5-6	9
Foreign Language	9
R 201-2-3	9
Social Science	9
PE 201-2-3	3
	48

THIRD YEAR

Subject	*Hours*
E Period Course	3
Chaucer	3
Shakespeare	3
E Electives	3
Minor	18
Electives	21
	51

FOURTH YEAR

Subject	*Hours*
Milton	3
E Type Course	3
E 434	3
E Electives	3
Minor	9
R 400	3
E 309	3
Electives	18
	48

HE 101, 102, 103. HONORS ENGLISH. Three quarters. *Three hours credit each quarter with special recognition.*

First quarter of special study in composition and criticism, followed by two quarters surveying major authors of English literature from Chaucer to present, with some critical papers. Authors will be considered with reference to their own times, subsequent influence, and permanent interest. Emphasis upon developing originality in criticism. Lectures will be supplemented with one colloquium per week, when group meets informally with professor to discuss special interests and questions in course. Especially recommended for potential English majors and minors. Open to properly qualified students.

E 101, 102, 103. FRESHMAN COMPOSITION. Three quarters. *Three hours credit each quarter.*

Training in reading, comprehending, and writing with clarity, correctness, and emphasis. Most of the writing will be done in laboratory

sessions which will meet two hours each week, supplementing the two hours of lecture each week; this program will continue throughout the freshman English courses. There will be study of selections in various literary forms as a stimulus to writing and as an introduction to the appreciation of the various types of literature.

E 201, 202, 203. Masterpieces of World Literature. Three quarters. *Three hours credit each quarter.*

E 201: from the ancient Greek drama and epic to the Renaissance, including such materpieces as *The Iliad, The Odyssey; Agamenon, Oedipus Rex, Medea; The Aeneid, Augustine's Confessions; The Song of Roland, The Divine Comedy, The Decameron, and* Chaucer's *Canterbury Tales.*

E 202: The Renaissance to the nineteenth century, including selected works of Castiglione, Rabelais, Montaigne, Cervantes, and Shakespeare; Voltaire, Goethe, and Rousseau.

E 203: Modern period, including selected plays of Ibsen, O'Neill, *et al;* selected writings of Tolstoi, Dostoievski, Chekhov, Balzac; and selected writings of Mann, Sartre, Faulkner, Gide, *et al.*

HE 201, 202, 203. Honor Colloquiums in World Literature. Three quarters. *Three hours credit each quarter with special recognition.*

Open to all properly qualified students; essential to English majors and minors. Survey of world literature enhanced by reading of selected complete works, by major authors, of critical, political, philosophic, and scientific interest. Several critical papers. Special guest lecturers.

E 211. Library Science. One quarter. *Three hours credit.*

Instruction in the use of the library, its organization, classification of materials, types of services, and importance in American life. Required of all student assistants in the library and of prospective elementary teachers. Credit may not be applied toward a major in English.

E 301, 302, 303 Shakespeare. Three quarters. *Three hours credit each quarter.*

E 301. Critical analysis and appreciation of the Sonnets and of such comedies as *The Comedy of Errors, Midsummer Night's Dream, Much Ado About Nothing, As You Like It, Twelfth Night, Measure for Measure.*

E 302. Critical analysis and appreciation of the chronicle plays, with reference to Elizabethan political and historical theory, national destiny, and historical poetry.

E 303. Critical analysis and appreciation of the tragedies: *Romeo and Juliet, Julius Caesar, Anthony and Cleopatra, Hamlet, Othello, Lear, Macbeth.*

E 304. Milton. One quarter. *Three hours credit.*

Consideration of Milton as poet and thinker, with study of *Paradise Lost, Paradise Regained, Samson Agonistes,* the minor poems, and selected prose. (Regularly offered as the third quarter in sequence with E 319 and E 320.)

E 305. Chaucer. One quarter. *Three hours credit.*

A critical study and appreciation of many of the major Canterbury Tales. The reflection in Chaucer's writing of the life and ideology of the time.

E 306. American Literature. One quarter. *Three hours credit.*

A survey of American Literature, including the writings of the major authors.

E 307. Tennessee In Literature. One quarter. *Three hours credit.*

Tennessee literature in its American literature context. Emphasis on native humor, local color, and the Fugitive-Agrarian movement. Especially recommended for English-Education majors who expect to teach in Tennessee. Offered each summer as week-long seminar with visiting authorities on Tennessee literature and history.

E 309. Advanced Grammar. One quarter. *Three hours credit.*

Review with emphasis on parts of formal and traditional grammar. Study of modern theories of grammar. Attention given to library materials. Required of English majors and urged of all Elementary Education majors.

E 312. Children's Literature. One quarter. *Three hours credit.*

Critical evaluation of classics of children's literature. Study of their bases of appeal to children and of their qualities as literature. Enrollment limited to elementary education majors.

E 314, 315, 316. Journalism. Three quarters. *One hour credit.*

Study of the newspaper's role, the significance of the news, news sources, news reporting, the elements of journalistic English, and the composition of various kinds of news stories. Training in the writing of news stories on assignment. Recommended for the staffs of *Nocatula* and *The New Exponent.*

E 318. The Continental Novel. One quarter. *Three hours credit.*

A Novel course in which are intensively studied such masterpieces of the Continental Novel as *Don Quixote, Pere Goriot, Madame Bovary, The Red and the Black, The Brothers Karamazov, The Magic Mountain,* with selections from Proust, Kafka, Mann; and by outside reports, an acquaintance with the great writers of the modern European novels. (Offered in sequence with E 441, 442.)

E 319. The Renaissance of the Sixteenth Century. One quarter. *Three hours credit.*

The thought and works of major authors in prose and verse, exclusive of the drama, to 1603. The growth of Humanism is traced through the wealth of literature culminating in the reign of Queen Elizabeth I. (Offered in sequence with E 320 and E 304 Milton.)

E 320. Literature of the Seventeenth Century. One quarter. *Three hours credit.*

Thought and major poetry and prose of the seventeenth century (excluding Milton) are studied, with due attention to the impact of science and politics upon "the first century of modern times." (Offered in sequence with E 319 and E 304 Milton.)

E 405. Eighteenth Century English Literature. One quarter. *Three hours credit.*

The development of the neo-classical tradition through a study of such major authors as Swift, Pope, Addison, Steele, Gay; and the development of romanticism from Thomson through Burns and Blake. Individual reports, oral and written, on authors and their works will be expected in parallel with the class recitations. A term paper, based on individual choice, properly documented, will be an entegral part of the course.

E 406. Romantic Poetry. One quarter. *Three hours credit.*

The development of romanticism in the 19th century with emphasis on the poetry of Wordsworth, Coleridge, Byron, Shelley, and Keats.

E 416. Victorian Prose. One quarter. *Three hours credit.*

Reading and discussion of significant essays by Carlyle, Macaulay, Newman, Ruskin, Arnold, and Huxley. Student reports on special topics.

E 417. Victorian Poetry. One quarter. *Three hours credit.*

Study of the poetry of Tennyson, Browning, Clough, Arnold, the Rossettis, Meredith, Swinburne, Hardy, Morris, and Hopkins.

E 418. Modern Poetry. One quarter. *Three hours credit.*

Analysis and appreciation of the works of such major poets of the 20th century, both English and American, as Hardy, Yeats, Eliot, Sandburg, Frost, Dylan, Thomas, Masters, Robinson.

E 425. The American Novel. One quarter. *Three hours credit.*

The American novel to the present time, with emphasis on certain representative novels.

E 431. Creative Writing. One quarter. *Three hours credit.*

Individual instruction in the writing of essays, short stories, plays or poems. (Permission of the instructor necessary.)

E 441, 442. The English Novel. Two quarters. *Three hours credit each quarter.* (Offered in sequence with E 318 The Continental Novel.)

E 441. Critical analysis and appreciation of representative works of such authors as Defoe, Fielding, Sterne, Smollett, the Gothicists, Austen, Scott, Dickens, and Thackeray.

E 442: A continuation of E 441, which is not, however, a prerequisite. Representative novels of such authors as Bronte, Eliot, Trollope, Hardy, Butler, Conrad, Lawrence, Joyce, Cary, and Greene.

Sp 302. Development of the Drama. One quarter. *Three hours credit.*

Sp 303. Development of the Drama. One quarter. *Three hours credit.*

Sp 306. Modern Drama. One quarter. *Three hours credit.*

(See descriptions under Speech and Drama. Six hours from the above listed courses are allowed as English.)

FOREIGN LANGUAGE

A major in Foreign Languages requires 36 quarter hours of courses in the 200, 300, and 400 series. Included in the major must be:

(a) 27 hours above the 100 series in the major language.

(b) 9 hours of another language above the 100 series.

A minor in Foreign Languages requires 27 hours of courses in the 200, 300, and 400 series in one language.

If a student has had two years of high school foreign language and wishes to continue the study of that language in college, he must enroll in the 200

series. Occasionally a student will be permitted to enroll in the 100 series for credit, but only by permission of the Head of the Department of Foreign Languages and the Dean of the College.

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
H 101-2-3	9
Science	12
Major Language	9
Speech	3
PE 101-2-3	3
	45

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
R 201-2-3	9
M 104-5-6	9
Major Language	9
Minor Language	9
PE 201-2-3	3
	48

THIRD YEAR

Subject	*Hours*
Social Science	9
Major Language	9
Minor Language	9
Electives	24
	51

FOURTH YEAR

Subject	*Hours*
R 400	3
Major Language	9
Electives	36
	48

F 101, 102, 103. ELEMENTARY FRENCH. Three quarters. *Three hours credit each quarter.*

Pronunciation, grammar, oral and written exercises, conversation, dictation, and easy reading material.

F 201, 202, 203. INTERMEDIATE FRENCH. Three quarters. *Three hours credit each quarter.*

Systematic review of grammar with oral practice, some written composition, and with further reading of modern prose. Prerequisite: French 101, 102, 103, or two years of high school French.

F 301, 302, 303. ADVANCED FRENCH. Three quarters. *Three hours credit each quarter.*

A survey of French literature and civilization with attention to French influence on the culture of the Western World. Reading and discussion of various types of writing. Prerequisite: Two years college French or the equivalent.

F 401, 402, 403. ADVANCED FRENCH. Three quarters. *Three hours credit each quarter.*

The reading and discussion of the best classical and modern writers and their influence on Western civilization, including the novel, drama, poetry, and the essay. Special reports. Prerequisite: Three years college French or the equivalent.

S 101, 102, 103. ELEMENTARY SPANISH. Three quarters. *Three hours credit each quarter.*

Pronunciation, grammar, oral and written exercises, conversation, dictation, and easy reading material.

S 201, 202, 203. INTERMEDIATE SPANISH. Three quarters. *Three hours credit each quarter.*

Systematic review of Spanish grammar with oral practice and some written composition and with further reading of modern Spanish prose by both Spanish and Spanish-American writers. Prerequisite: Spanish 101, 102, 103, or two years high school Spanish.

S 301, 302, 303. Advanced Spanish. Three quarters. *Three hours credit each quarter.*

A survey of Spanish literature and civilization and of the Hispanic American cultures from the pre-Columbian to the present, with attention to the psychology of Spanish American peoples in their relations with the United States. Reading and discussion of works of various writers. Prerequisite: Two years college Spanish or the equivalent.

S 401, 402, 403. Advanced Spanish. Three quarters. *Three hours credit each quarter.*

The reading of the best classical and modern writers of both Spain and Spanish America, including the novel, drama, poetry, and the essay. Special reports. Prerequisite: Three years college Spanish or the equivalent.

G 101, 102, 103. Elementary German. Three quarters. *Three hours credit each quarter.*

A presentation of the fundamentals of grammar with oral and written practice and some simple reading in 102 and 103.

G 201, 202, 203. Intermediate German. Three quarters. *Three hours credit each quarter.*

Grammar review and reading of modern prose (stories, plays). Prerequisite: German 101, 102, 103 or two years high school German.

Ru 101, 102, 103. Elementary Russian. Three quarters. *Three hours credit each quarter.*

Pronunciation, grammar, oral and written exercises, conversation, and easy reading. There is no second year in Russian offered.

Ru 310. Russian Literature in English Translation. One quarter. *Three hours credit.*

Class reading and discussion of outstanding Russian writers, especially those of the Nineteenth Century such as Dostoevsky, Tolstoy, Turgenev, and Chekhov with emphasis on the insight revealed by these writers into Slavic psychology and character. Special reports by members of the course on assigned books and topics.

Gr 101, 102, 103. Elementary New Testament Greek. Three quarters. *Three hours credit each quarter.*

Pronunciation, grammar, and vocabulary, with reading from the New Testament in the third quarter.

Gr 201, 202, 203. Intermediate New Testament Greek. Three quarters. *Three hours credit each quarter.*

Grammar and vocabulary review, word studies, and concentration on reading the Greek text of the New Testament. Prerequisite: Gr 101-2-3.

HEALTH AND PHYSICAL EDUCATION

The minor in Health and Physical Education requires a minimum of 42 quarter hours in the 200, 300, and 400 levels. The following courses must be included in the minor:

(a) HEd 206 (Personal Hygiene) 3 hours
(b) HEd 209 (Community Hygiene) 3 hours

(c) PEd 301 (Physical Education for Elementary Teachers) 3 hours
(d) PEd 305 (Folk Games) 3 hours
(e) PEd 306 (Safety Education and First Aid) 3 hours
(f) PEd 302 (Teacher Training in Individual and Dual Sports) 3 hours
(g) PEd 307, 308, 309 (Coaching of Organized Sports) 9 hours (Except for PEd 308, for men only.)
(h) PEd 401 (Principles, Organization, and Administration of Physical Education) 3 hours
(i) PEd 406 (Stunts and Tumbling) 3 hours
(j) Ed 469 (Organization of Guidance Services) 3 hours
(k) SS 323 (Marriage and Family) 3 hours
(l) HEd 205 (Elementary Nutrition) 3 hours

Health

HEd 205. Elementary Nutrition. One quarter. *Three hours credit.*

Elementary principles of nutrition applied to everyday living. Dietaries to meet special conditions studied and planned. Three class periods per week. One year of science is recommended as prerequisite.

HEd 206. Personal Hygiene. One quarter. *Three hours credit.*

A study of health and its achievement by the individual. A brief study of the anatomy and functions of the human body, with the departures from health of each system and of special organs. Emphasis placed on the prevention of common disease. Offered alternately with Community Hygiene, HEd 209.

HEd 209. Community Hygiene. One quarter. *Three hours credit.*

A study of health for the community, including public health work, disease control, and special group problems. Some of the more common or more important diseases will be studied individually. Offered alternately with Personal Hygiene, HEd 206.

HEd 306. Safety Education and First Aid. One quarter. *Three hours credit.*

The study, practice, and application of the standards and accepted principles of safety education and first aid.

HEd 401. The Administration of Health and Physical Education. One quarter. *Three hours credit.*

An upper level course designed for students planning to teach physical education on the secondary school level. A study of the principles upon which the physical education program is based, methods of organization, and administrative problems. For the teacher and physical education supervisor.

Physical Education

Six hours of physical education are required of all students in their first two years of college. Exceptions: (1) Those who are excused for physical disability. They must offer other hours of credit in lieu of these. (It is suggested that HEd 206 and 209 be taken.) (2) Veterans with one full year of active service may be given credit for their basic training in lieu of the physical education requirement.

PE 101, 102, 103. General Physical Education. Three quarters. *One hour credit each quarter.*

General physical education with emphasis on physical fitness, dual, individual, and team sports. Required of all freshmen. Two hours per week.

PE 104, 105, 106. Modern Dance. Three quarters. *One hour credit each quarter.*

The study and practice of the techniques of modern theatre dance, taught from the point of view of general physical conditioning, development of coordination, and appreciation of the art form. This series of courses may be entered only in the fall quarter. If desired, may be taken by first or second year students to meet the College requirements in physical education. Two hours per week. *Admission by permission of instructor.*

PE 201, 202, 203. General Physical Education. Three quarters. *One hour credit each quarter.*

General physical education with emphasis on physical fitness, dual, individual, and team sports. Required of all sophomores. Two hours per week.

PEd 301. Physical Education for Elementary Teachers. One quarter. *Three hours credit.*

Methods, sources, subject matter, problems and materials necessary for elementary school physical education, including practical teaching of elementary age children. It is recommended that PEd 305 be taken before PEd 301.

PEd 302. Teacher Training in Individual and Dual Sports. One quarter. *Three hours credit.*

The history, rules, theory, and teaching methods of individual and dual sports.

PEd 303. Teacher Training in Team Sports. One quarter. *Three hours credit.*

The history, rules, theory, and teaching methods of team sports.

PEd 305. Folk Games. One quarter. *Three hours credit.*

Instruction and participation in folk games of various countries.

PEd 307, 308, 309. Coaching of Organized Sports. Three quarters. *Three hours credit each quarter.*

A study of the fundamental principles of coaching football, basketball, baseball, and other organized sports. The official rules of each sport are studied along with their proper interpretation. Participation in these sports is required, so that a practical demonstration of theory may be achieved. The emphasis is seasonal: in the fall—football, in the winter—basketball, in the spring—baseball. Three class periods per week.

PEd 403. Organization and Administration of Intramural and Recreational Activities. One quarter. *Three hours credit.*

A course in methods of organizing and supervising intramural and recreational activities. A study of problems involved in these activities and methods for solving these problems. Useful to physical education teachers and recreation directors. Prerequisite: PEd 401 and Ed 459.

PEd 405. The Formal Program. One quarter. *Three hours credit.*

Instruction in and practice of teaching calisthenics for the different grade levels.

PEd 406. Stunts and Tumbling for Teachers. One quarter. *Two hours credit.*

Instruction, practice, participation, and practice teaching in stunts, tumbling, and pyramidal activities. This course may be substituted for required sophomore physical education. This one quarter course will substitute for two quarters of required physical education classes.

HISTORY

A major in the field of History consists of at least 36 quarter hours above the 100 level. The following must be included in the major:

(a) H 204-5-6 (History of the United States) 9 hours
(b) H 401 (The United States in the Twentieth Century) 3 hours
(c) H 405 (Europe in the Twentieth Century) 3 hours
(d) H 451 (The Literature of History) 3 hours
(e) H 461 (Seminar in History) 3 hours

The remainder of the major program will be selected in consultation with the faculty of the department. History majors may elect to stress either United States or European History.

A minor in the field of History consists of at least 27 quarter hours above the 100 level. The following must be included in the minor:

(a) H 204-5-6 (History of the United States) 9 hours
(b) H 401 (The United States in the Twentieth Century) 3 hours
(c) H 405 (Europe in the Twentieth Century) 3 hours
(d) H 451 (The Literature of History) 3 hours

H 101-2-3 are prerequisite to all courses in the department.

The following is a proposed curriculum for students wishing to major in History.

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
H 101-2-3	9
Foreign Language	9
Science	12
Speech	3
PE 101-2-3	3
	45

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
H 204-5-6	9
Foreign Langauge	9
R 201-2-3	9
M 104-5-6	9
PE 201-2-3	3
	48

THIRD YEAR

Subject	*Hours*
H 405	3
Social Science	9
History Electives	15
Minor Electives	18
Electives	6
	51

FOURTH YEAR

Subject	*Hours*
R 400	3
H 401	3
H 451	3
H 461	3
Minor Electives	9
Electives	27
	48

H 101, 102, 103. Introduction to Western Civilization. Three quarters. *Three hours credit each quarter.*

A general survey of European Civilization from Ancient Greece to the present, with emphasis on the political, economic, and religious themes on which contemporary Western culture is based. Designed as an introductory history course for freshmen and to provide a background for advanced courses in the liberal arts. Fall quarter: Classical Greece and Rome to the Middle Ages. Winter quarter: the Renaissance and the Modern Era to the beginning of the nineteenth century. Spring quarter: 1815 to the present. Required of all students.

H 204, 205, 206. History of the United States. Three quarters. *Three hours credit each quarter.*

A general survey of the political, economic, social, and cultural history of the United States, including required readings illustrative of the growth of the American tradition. Prerequisite to other courses in American History.

H 302, 303, 304. History of Russia. Three quarters. *Three hours credit each quarter.*

A survey of the development of Russia and the Union of Soviet Socialist Republics. Offered in alternate years.

H 305, 306, 307. Diplomatic History of the United States. Three quarters. *Three hours credit each quarter.*

A survey of the diplomatic history of the United States from the Revolution to the present. Offered in alternate years. Prerequisite: H 204, 205, and 206.

H 308. Tennessee History. One quarter. *Three hours credit.*

A research study of the ethnical, geographic, economic, social, industrial, educational, and political factors that were influential in the exploration, colonization, and development of Tennessee from its beginnings to the present time. The course is designed chiefly for those who plan to teach in Tennessee schools.

H 310, 311, 312. History of Modern Europe. Three quarters. *Three hours credit each quarter.*

A study of Europe from the Renaissance to the present. Offered in alternate years.

H 310. The High Renaissance and Reformation, 1500-1648.

H 311. The Age of Absolutism.

H 312. Europe in the Ages of Revolution and Imperialism.

H 401. The United States in the Twentieth Century. One quarter. *Three hours credit.*

A study of American history in the twentieth century, with particular attention to the emergence and role of the United States as a world power. Prerequisite: H 204, 205, 206.

H 402, 403, 404. History of England. Three quarters. *Three hours credit each quarter.*

A survey of the development of England. Great Britain and the Empire. Offered in alternate years.

H 405. Europe in the Twentieth Century. One quarter. *Three hours credit.*

A study of European history in the twentieth century, with particular attention to European involvements in international affairs.

H 407, 408, 409. History of the South. Three quarters. *Three hours credit each quarter.*

A study of the development of the South from the American Revolution to the present, with special emphasis on the development of Southern thought. Offered in alternate years. Prerequisite: H 204, 205, 206.

H 411, 412. Constitutional History of the United States. Two quarters. *Three hours credit each quarter.*

An intensive study of the origin and development of the practices and principles of American constitutionalism from colonial times to the present. 411: 1600 to 1860; 412: 1860 to present. Offered in alternate years. Prerequisites: H 204-5-6.

H 451. The Literature of History. One quarter. *Three hours credit.*

A course of readings and discussions of the classics of historical literature, from Herodotus to the present. Open to other seniors by permission of the instructor.

H 461. Seminar in History. One quarter. *Three hours credit.*

An intensive study of selected topics, including research in the materials of history and the writing of analytical reports. Open to other seniors by permission of the instructor.

MATHEMATICS

A major in Mathematics requires 42 quarter hours which must include the following courses:

(a) M 121-2-3 (Unified Algebra, Plane Trigonometry, and Analytic Geometry) 15 hours
(b) M 221-2-3 (Differential and Integral Calculus) 15 hours
(c) M 461-2-3 (Mathematics Seminar) 3 hours
(d) M 421-2-3 (Differential Equations and Introduction to Vector Analysis) 9 hours or M 411-2-3 (Abstract Algebra and Modern Geometry) 9 hours

In addition, the student must satisfactorily complete two years of a foreign language, preferably German or French.

Students majoring in mathematics should elect to minor in either physics, chemistry, or biology, but other minors will be considered by the Mathematics Department. It is strongly recommended that Mathematics Majors elect to take both of the M 421-2-3 and M 411-2-3 sequences.

It is further recommended that students majoring in mathematics take one of the following course sequences:

(a) P 211-2-3 (General Physics) and P 311-2 (Mechanics). Also either P 316 (Thermodynamics) and another 4 hour Physics course, or P 321-2 (Electricity and Magnetism).
(b) C 101-2-3 (General Chemistry) and C 211-2-3 (Analytical Chemistry).

A minor in Mathematics consists of 30 quarter hours and must include the following courses:

(a) M 121-2-3 (Unified Algebra, Plane Trigonometry, and Analytic Geometry) 15 hours
(b) M 221-2-3 (Differential and Integral Calculus) 15 hours

The student who wishes to teach mathematics must major in mathematics and satisfactorily complete all the courses required by the education department for certification.

The following is a proposed curriculum for students wishing to major in Mathematics.

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
F 101-2-3 or G 101-2-3	9
M 121-2-3	15
C 101-2-3 or B 101-2-3	12
PE 101-2-3	3
	48

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
F 201-2-3 or G 201-2-3	9
M 221-2-3	15
P 211-2-3	12
PE 201-2-3	3
	48

THIRD YEAR

Subject	*Hours*
M 421-2-3	9
P 311-2	8
P 316	4
H 101-2-3	9
R 201-2-3	9
Sp 201	3
Electives	6
	48

FOURTH YEAR

Subject	*Hours*
M 411-2-3	9
M 461-2-3	3
R 400	3
Social Science	9
Electives	24
	48

A major in Mathematics and Physical Science requires 30 quarter hours of Mathematics, 12 quarter hours of chemistry, 12 quarter hours of physics, 9 quarter hours of geography, 4 quarter hours of physical science (C 209), and 8 quarter hours selected from mathematics, chemistry, and/or physics. All level of courses may be used to satisfy the required number of hours. The following courses must be included:

(a) M 121-2-3 (Unified Algebra, Plane Trigonometry, and Analytic Geometry) 15 hours
(b) M 221-2-3 (Differential and Integral Calculus) 15 hours
(c) C 101-2-3 (General Chemistry) 12 hours
(d) C 209 (Survey of Physical Science) 4 hours
(e) P 211-2-3 (General Physics) 12 hours
(f) PS 107-8-9 (World Geography) 9 hours

If the student plans to teach he must also satisfactorily complete all the courses required by the education department for certification.

The following is a proposed curriculum for students wishing to major in Mathematics and Physical Science.

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
M 121-2-3	15
H 101-2-3	9
C 101-2-3	12
PE 101-2-3	3
	48

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
M 221-2-3	15
P 211-2-3	12
Ed 201-2	6
Ed 103	3
PE 201-2-3	3
	48

THIRD YEAR

Subject	*Hours*
R 201-2-3	9
Ed 301, 307, 468	9
HEd 206, 209	6
Foreign Language	9
Ed 303	3
PS 107-8-9	9
Sp 201	3
	48

FOURTH YEAR

Subject	*Hours*
R 400	3
Foreign Language	9
Ed 454	6
Ed 466	6
Ed 469	3
SS 323	3
C 209	4
Science and Mathematics electives	8
Electives	6
	48

M 104, 105, 106. Fundamental Concepts of Mathematics. Three quarters. *Three hours credit each quarter.*

This is a general culture course in mathematics. These courses will meet the mathematics requirements for those students planning a teaching career except students preparing to teach secondary school mathematics. Functional mathematics and the major concepts of number, measurement, function, and proof are emphasized. These concepts will be stressed from a historical viewpoint during the first quarter in particular which deals mostly with arithmetical concepts. A general over-all understanding of relationships will be presented. During the second and third quarters some algebraic concepts will be considered.

M 107, 108, 109. Modern Mathematics for Elementary Teachers. Three quarters. *Three hours credit each quarter.*

The courses will consider the fundamental operations in arithmetic, the uses and operations with sets, and other modern concepts and ideas of the "new mathematics." The sequence will meet the graduation requirements in mathematics of the college and certification requirements for elementary teachers.

M 110. Engineering Problems. One quarter. *Two hours credit.*

A course for pre-engineering students in particular and for students in mathematics in general. A study of problems pertaining to engineering and their solution by using the slide rule. Emphasis is on procedures and accuracy. Not counted toward fulfillment of the Foundation Curriculum requirements. Offered when there is sufficient demand.

M 111, 112, 113. Engineering Drawing. Three quarters. *Three hours credit each quarter.*

An introductory course in free-hand lettering, applied and descriptive geometry, orthographic projection, pictorial representation, dimensioning, working drawings, and drawing for reproduction. Designed to meet the needs of the pre-engineering students. The student furnishes satisfactory instruments and necessary materials. Not counted toward the fulfillment of the Foundation Curriculum requirements.

M 121, 122. Unified Algebra and Plane Trigonometry. Two quarters. *Five hours credit each quarter.*

The courses will be presented in such a manner as to unify the elementary functions of algebra and trigonometry. It is the study of the properties and applications of the elementary functions based on the principles of algebra. In particular, in the treatment of the topics in trigonometry the emphasis is on the study of trigonometric functions as

functions. This course is designed to furnish a background and a foundation for future mathematics courses. This is the beginning course for mathematics majors or minors. Prerequisites: Students must have three years of high school mathematics or permission from the mathematics department.

M 123. Analytic Geometry. One quarter. *Five hours credit.*

A study of the straight line and conic sections, transformation of coordinates, polar coordinates, parametric equations, higher plane curves, and a treatment of solid analytic, etc. Prerequisites: M 121-2.

M 201. Mathematics for Secondary School Teachers. One quarter. *Three hours credit.*

Especially designed for secondary school teachers who are in need of a review to teach the modern concepts of mathematics. Others may take the course.

M 221, 222, 223. Differential and Integral Calculus. Three quarters. *Five hours credit each quarter.*

Study of the basic fundamentals of the calculus, from simple differentiation through integration. Some practical problems in mechanics and electricity are discussed. Also a treatment of graphing by methods of the calculus. Prerequisite: M 123.

M 311, 312. Probability and Statistics. Two quarters. *Three hours credit each quarter.*

The study of variability, probability, joint distributions and continuous distributions, some statistical applications of probability, theory of sampling, correlation, variance of sums and of average, etc. Prerequisites: M 221-2-3. Offered in alternate years.

M 313. Theory of Equations. One quarter. *Three hours credit.*

This course is highly recommended for teachers. Such topics as binomial and reciprocal equations, symmetric functions, cubics, quartics, isolation of real roots, and the solution of numerical equations will be studied. Prerequisites: M 221-2-3. Offered in alternate years.

M 321. College Geometry. One quarter. *Three hours credit.*

Advanced plane geometry primarily for prospective teachers of high school geometry. Prerequisite: High school plane geometry. Offered only if there is sufficient demand.

M 408. History of Mathematics. One quarter. *Three hours credit.*

This course is for prospective teachers and for students wishing to broaden their view of elementary mathematics. This historical background will give a deeper appreciation of mathematics. The student will be able to see how the development of mathematics parallels the development of Western Civilization.

M 411, 412. Abstract Algebra. Two quarters. *Three hours credit each quarter.*

This course is taught from the modern approach to algebra today. Some of the topics that will be discussed are: number theory and proof, equivalence and congruence, groups, rings, matrices, linear systems, determinates, and fields. This course will help the student develop mathematical maturity. The course is strongly recommended for any student who plans to continue his work in graduate mathematics, or who plans to teach mathematics. Offered in alternate years. Prerequisite: M 221-2-3.

M 413. Modern Geometry. One quarter. *Three hours credit.*

A modern approach to college geometry to bring in some of the more modern concepts used in mathematics today. Some of the topics studied are: Foundations and selected Euclidean geometry, projective geometry, and non-Euclidean geometry. Offered in alternate years. Prerequisite: M 221-2-3.

M 420. Intermediate Calculus. One quarter. *Three hours credit.*

This course will cover such topics as infinite series, expansion of functions, partial differentiation, multiple integrals, etc. Prerequisites: M 221-2-3.

M 421, 422. Differential Equations. Two quarters. *Three hours credit each quarter.*

A study of differential equations and their solutions. A number of ways are investigated to solve such problems. Practical problems in physics, engineering, and chemistry are solved. Offered in alternate years. Prerequisite: M 221-2-3.

M 423. Introduction to Vector Analysis. One quarter. *Three hours credit.*

The course is designed to cover the fundamental operations and the more general properties of scalar and vector fields. The material covered in this course will help those students who will be interested in the study of theoretical electricity and hydrodynamics later. The properties of potentials might be studied as well as linear vector functions. Offered in alternate years. Prerequisites: M 221-2-3.

M 461, 462, 463. Mathematics Seminar. Three quarters. *One hour credit* each quarter.

Required of all mathematics majors. Some topics will be discussed which are not regular routine classroom problems. Each student will be expected to do some investigation on particular topics to present to the class. Prerequisites: M 221-2-3.

MUSIC

The major in music consists of 71 quarter hours for voice majors and 70 quarter hours for organ and piano majors. The following courses are required for the major. The student should note that in addition to the basic requirements there are specific requirements for the various applied fields.

Basic Requirements:

(a) Mu 111-2-3 (Theory I) and Mu 211-2-3 (Theory II) 18 hours
(b) Mu 414-5-6 (Music History) 9 hours
(c) Mu 311-2 (Form and Analysis) 6 hours
(d) Mu 349 (Conducting) 3 hours
(e) Choir (2 years) 4 hours

Piano Majors:

(a) Mu 314 (Keyboard Literature) 3 hours
(b) Mu 421 (Piano Pedagogy) 3 hours
(c) Piano 24 hours

Organ Majors:
(a) Mu 350 (Conducting) 3 hours
(b) Mu 314 (Keyboard Literature) 3 hours
(c) Organ 24 hours

Voice Majors:
(a) Mu 350 (Conducting) 3 hours
(b) Choir (2 years) 4 hours
(c) Voice 24 hours

Students majoring in music are not required to present a minor field of study.

The minor in music consists of 30 quarter hours for a minor in piano or organ and 34 quarter hours for a minor in voice. The following courses must be presented for a minor:

(a) Mu 111-2-3 (Theory I) 9 hours
(b) Mu 414-5-6 (Music History) 9 hours
(c) Applied Music 9 hours (In one field)
(d) A 300 or 400 level music course 3 hours

Students minoring in voice must present in addition to the specific courses just enumerated 4 quarter hours of choir.

Theory Placement Examination. All students enrolling for Theory I (Mu 111) will be given a placement examination during the first week of classes. Students whose background is deficient in this area will take Music 103 (with no credit toward the major) until the placement examination can be passed.

Recitals. In addition to recitals by faculty and guest artists, each senior majoring in music will present a complete public recital and each junior major will present a partial public recital. All senior recitals must be presented to the music faculty at least two weeks prior to the date of the recital for approval. Attendance at all recitals is required of all music majors and minors.

Applied Music Examinations. The music faculty will conduct examinations in applied music in January and May. Proficiency requirements in applied music at the various levels will be made known to all students during the first week of study, and material for the examinations will be prepared under faculty supervision.

Piano Proficiency Requirements. Before credit can be given a student in Piano I (Mu 141) or before he may enroll in Organ I (Mu. 151), sufficient proficiency at the keyboard must be demonstrated to play the following: Major and harmonic minor scales in two octaves, parallel motion; major and minor triads in three positions; one easy piece by Bach or Handel (for example, Bach: a Two-Part Invention, Little Prelude, etc.) from memory; one easy sonatina movement (Clementi, Kuhlau, Dussek, Haydn, etc.), from memory; sight reading at first grade level.

By the end of the sophomore year, voice majors must also demonstrate proficiency by preparing without help one simple accompaniment to be assigned by the music faculty one month before the examination.

Elective Courses. Courses in the department, including applied music, are open to all college students, with prerequisites as stated. Auditions for the College Choir are open to the entire student body.

Practice Requirements. Students are expected to practice one hour per day for each hour of credit granted in applied music. All students study-

ing music receive one fifty-minute lesson per week; quarter hours of credit are based on the number of daily practice hours in the student's instrument.

The following is a proposed curriculum for students wishing to major in Music.

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
H 101-2-3	9
Foreign Language	9
Mu 111-2-3	9
Applied Music	6
Choir	2
PE 101-2-3	3
	47

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
R 201-2-3	9
Foreign Language	9
Mu 211-2-3	9
Applied Music	6
Choir	2
Elective	3
PE 201-2-3	3
	50

THIRD YEAR

Subject	*Hours*
Science	12
Social Science	9
Speech	3
R 400	3
Applied Music	6
Mu 311-2	6
Electives	6
Choir (For Voice Majors only)	(2)
Mu 314 (For Piano and Organ Majors only)	(3)
Voice Majors	47
Piano and Organ Majors	48

FOURTH YEAR

Subject	*Hours*
M 104-5-6	9
Mu 414-5-6	9
Applied Music	6
Mu 349	3
Mu 350 (For Voice and Organ Majors only)	(3)
Mu 421 (For Piano Majors only)	(3)
Choir (For Voice Majors)	(2)
Electives (For Voice Majors)	(16)
Electives (For Organ and Piano Majors)	(17)
Voice Majors	48
Piano and Organ Majors	47

Mu 100, 101, 102. Beginning Piano. Three quarters. *One hour credit each quarter.*

Students with little or no piano training may enroll for two hours of class instruction with three hours outside practice per week. There is a practice fee of $15.00 per quarter. Course must be taken in sequence.

Mu 103. Rudiments of Music. One quarter. *One hour credit.*

Notation, eartraining, sightsinging. For students not qualified to enter Mu 111 and others interested in minimum essentials of musicianship. Three classes weekly.

Mu 104-5-6; 204-5-6; 304-5-6; 404-5-6. Voice. Twelve quarters. *Two hours credit each quarter.*

The first weeks of voice study are spent in a preparatory stage of voice developed with careful attention given to correct breathing. Repertoires at all levels will include art song literature of England, France, Italy, and America, with the addition of German lieder during the second year, and opera and oratorio literature during the third and fourth years. Participation in and attendance at departmental recitals are expected of all voice majors and minors. Seniors are to present a formal recital of comprehensive length and content. Voice students will be required to meet a class session each week, in addition to the private lesson, during which students and the teacher will perform selections being studied.

Mu 107-8-9; 207-8-9; 307-8-9; 407-8-9. College Choir. Twelve quarters. *Two hours credit for three quarters of satisfactory participation.*

The College Choir, chosen by audition, is composed of approximately sixty voices. Approximately forty will be chosen for the smaller group that tours extensively through-out the Holston Conference and in nearby states, appearing in churches, in schools, and on radio and television. All music majors and minors are expected to audition upon first enrollment in the college and participate as recommended. Three rehearsals weekly.

Mu 111, 112, 113. Theory. First year. Three quarters. *Three hours credit each quarter.*

Melodic, harmonic, and rhythmic elements of music with specific attention to notation, eartraining, sightsinging, keyboard harmony, and part-writing. Prerequisite: Satisfactory work as shown in placement examination in theory (given during first week of class).

Mu 116, 117, 118. Class Voice. Three quarters. *One hour credit each quarter.*

Students with little or no vocal training may enroll for two hours of class instruction with five hours of outside practice per week. There is a $15.00 practice fee per quarter. Courses must be taken in sequence.

Mu 141-2-3; 241-2-3; 341-2-3; 441-2-3. Piano. Twelve quarters. *One or two hours credit each quarter.*

Each quarter to include instruction in technique, musicianship, and repertory. Technical proficiency must be achieved in the playing of major and minor scales in octaves, thirds, sixths, and tenths and in executing the arpeggii in all positions and in performance of Czerny Exercises, op. 299. Basic repertoire will include Bach: Two and Three-Part Inventions, The Well-Tempered Clavier; Chopin Preludes and Etudes, Mozart and Beethoven Sonatas, as well as a survey of contemporary piano literature. Prerequisite: Approval of music faculty on basis of entrance exam in keyboard proficiency.

Mu 151-2-3; 251-2-3; 351-2-3; 451-2-3. Organ. Twelve quarters. *One or two hours credit each quarter.*

Technical studies for the pedal, playing of two-three-and four-voice counterpoint, principles of registration, improvisation and service playing will be stressed throughout each year of study along with literature to include the Bach Orgelbuchlein, Handel and Mendelssohn Sonatas, works of Buxtehude, Pachelbel, Franck, Widor, and contemporary composers. Organ majors will sometimes play for the College chapel service and will present a full length public program in the senior year, and will attend a weekly class lesson in addition to private lessons. Prerequisite: Approval of instructor on basis of entrance examination in keyboard proficieny.

Mu 201. Public School Music. One quarter. *Three hours credit.*

A course designed to develop the basic skills and techniques needed by elementary teachers to conduct a complete music program in the primary and intermediate grades.

Mu 211, 212, 213. Theory. Second year. Three quarters. *Three hours credit each quarter.*

A continuation of the principles and practices of first year theory with the introduction of counterpoint, chromatic harmony, and advanced modulations. Prerequisite: Mu 111-2-3.

Mu 231. INSTRUMENTAL TECHNIQUES. One quarter. *Three hours credit.*

Class instruction in basic techniques of playing the standard woodwind, brass, and percussion instruments. Required for certification in music teaching in the public schools. Prerequisites: Theory I (Mu 111-2-3) and General Psychology (Ed 201-2).

Mu 311, 312. FORM AND ANALYSIS. Two quarters. *Three hours credit each quarter.*

A study of musical structure through written and aural analysis and composition in small forms. Contrapuntal forms, sonata form, and contemporary techniques of composition will be stressed. Prerequisite: Theory I.

Mu 314. KEYBOARD LITERATURE. One quarter. *Three hours credit.*

A survey of significant works, composers, and keyboard style from 1500 to the present, with emphasis on the works of Bach and the Beethoven Piano Sonatas.

Mu 317. INTRODUCTION TO LISTENING. One quarter. *Three hours credit.*

A basic course in the elements of music from the listener's point of view. Principles of rhythm, notation, melodic and harmonic structure, tone quality, and form are studied and illustrated through recorded musical works.

Mu 318. INTRODUCTION TO MUSIC LITERATURE. One quarter. *Three hours* credit.

A survey of style and outstanding examples of music literature from the Renaissance to the contemporary period. Prerequisite: Mu 317 or the instructor's permission.

Mu 349, 350. CONDUCTING. Two quarters. *Three hours credit each quarter.*

A study of fundamental conducting procedures and techniques as applied to choral situations. The class serves as a laboratory choir in which the student conductors develop skills and techniques. Prerequisite: Mu 111-2-3. Offered in alternate years.

Mu 414, 415, 416. HISTORY OF MUSIC. Three quarters. *Three hours credit each quarter.*

First quarter: The development of music in Europe from its origins in the Near East and Greece through the end of the Renaissance.

Second quarter: The development of music in the Baroque period, and the Viennese Classic period to the early works of Beethoven.

Third quarter: The nineteenth century Romantic Movement in Europe, the rise of French Impressionism, and subsequent twentieth-century trends. Offered in alternate years. Prerequisites: H 101-2-3, Mu 111-2-3.

Mu 421. PIANO PEDAGOGY. One quarter. *Three hours credit.*

A survey of the methods of and approaches to piano teaching. Required for all piano majors. Prerequisites: Mu 111-2-3 and Mu 206. Offered in alternate years.

PHILOSOPHY

See Religion and Philosophy.

PHYSICAL EDUCATION

See Health and Physical Education.

PHYSICS

A student minoring in physics must present a minimum of 15 quarter hours in physics above the sophomore level.

P 211-2-3 (General Physics) is prerequisite to work in the department.

P 211, 212, 213. General Physics. Three quarters. *Four hours credit each quarter.*

An introduction to the field of physics. The first quarter consists of a study of the basic principles of mechanics; the second quarter encompasses heat, sound, magnetism, and an introduction to electricity; the third quarter continues the study of electricity and covers light and atomic structure. Three lectures, three hours laboratory per week. Prerequisites: Unified Algebra and Plane Trigonometry.

P 311, 312. Mechanics. Two quarters. *Four hours credit each quarter.*

An advanced study of statics, kinematics, and kinetics. Three hours lecture, three hours laboratory per week. Prerequisites: General Physics, Calculus. Offered in alternate years.

P 321, 322. Electricity and Magnetism. Two quarters. *Four hours credit each quarter.*

An advanced study of electrostatics and electrodynamics with an emphasis on electric and magnetic fields. Three hours lecture, three hours laboratory per week. Prerequisites: General Physics, Calculus. Offered in alternate years.

P 323. Basic Electronics. One quarter. *Four hours credit.*

A study of electronic principles, electronic devices, different types of vacuum tubes and their functions, gas filled tubes, semiconductors, rectifiers, amplifiers, oscillators, and electron tube circuit characteristics. Offered in alternate years. Prerequisite: General Physics.

P 411. Atomic Physics. One quarter. *Three hours credit.*

The structure of the atom with special emphasis given to recent studies of nuclear physics. Three hours lecture per week. Prerequisite: General Physics. Offered in alternate years.

POLITICAL SCIENCE

A minor in Political Science consists of 27 quarter hours above the 100 level. The minor must include PS 201-2-3 and PS 401-2-3.

PS 107, 108, 109. World Geography. Three quarters. *Three hours credit each quarter.*

The study of the basic geographic, physical, political, economic, and social factors of the major areas of the world, with emphasis on the influence of those factors on contemporary international relationships. Fall quarter: the North Atlantic Basin. Winter quarter: Asia and Oceania. Spring quarter: Latin America and Africa.

PS 201, 202, 203. American Government and Politics. Three quarters. *Three hours credit each quarter.*

An introduction to government in the United States, including the study of the development of the Constitution, party organization, and politics.

PS 331. State and Local Government. One quarter. *Three hours credit.*

The study of state and local government organization, inter-relationships, and problems.

PS 351. Political Parties. One quarter. *Three hours credit.*

A study of organization, significance, operations of pressure groups, and party functions in the political process. Offered in alternate years.

PS 360, 361. International Relations. Two quarters. *Three hours credit each quarter.*

A study of the role of politics, diplomacy, law, science, and technology in the relations between nations, including an analysis of the problems of the cold war, global strategic views, and the powers and limitations of the United Nations in the struggle for world peace. Prerequisites: PS 107, 108, 109.

PS 401, 402, 403. History of Political Thought. Three quarters. *Three hours credit each quarter.*

The historical analysis of Western political thought from ancient times to the present. Fall quarter: Political theory from the ancient Greeks to the Renaissance. Winter quarter: Modern times to the twentieth century. Spring quarter: Twentieth century political theory, with emphasis on the rise of fascism and communism and the challenge to democracy. Offered in alternate years.

PS 421, 422. Comparative Government. Two quarters. *Three hours credit each quarter.*

A comparative study of the governments of the major European states: France, Great Britain, the U.S.S.R., and the German Federal Republic. Offered in alternate years.

PSYCHOLOGY

See Education and Psychology.

Religion and Philosophy

A major in Religion and Philosophy requires 36 quarter hours of courses numbered in the 300 and 400 series. Included in the major must be:

(a) At least nine hours of Philosophy
(b) One quarter of Seminar in Religion and Philosophy (R 450, 451, or 452).

A minor in Religion and Philosophy requires 27 hours of courses in the 300 and 400 series and must include at least nine hours of Philosophy.

Religion 201, 202, and 203 (Survey of the Bible) or the equivalent is prerequisite to all other courses in the department and must be taken in sequence.

Religion 400, Christian Ethics, cannot be counted toward the major or minor in Religion and Philosophy.

The following is a proposed curriculum for students wishing to major in Religion and Philosophy.

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
*Foreign Language	9
H 101-2-3	9
Science	12
Speech	3
PE 101-2-3	3
	45

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
*Foreign Language	9
R 201-2-3	9
Social Science	9
M 104-5-6	9
PE 201-2-3	3
	48

THIRD YEAR

Subject	*Hours*
Philosophy	9
Religion Electives (300 and 400)	9
Minor Electives	18
Electives	15
	51

FOURTH YEAR

Subject	*Hours*
Religion Electives	18
R 400	3
Minor	9
Electives	18
	48

R 201, 202, 203. A Survey of the Bible. Three quarters. *Three hours credit each quarter.*

Employing the historical-critical method, these courses provide an introduction to the literature, history, and theology of both Testaments. 201: The Old Testament from the beginnings through the Exile. 202: Remainder of the Old Testament, the Synoptic Gospels. 203: Remainder of the New Testament. The courses are to be taken in sequence and are not open to freshmen. R 201, 202, 203 are prerequisites to all other courses in the division.

R 222. Jewish History: From its Earliest Beginnings to the Rise of Christianity. One quarter. *Two hours credit.*

Attention will be given to the influence of Jewish history and the great prophets on Judaism, its beliefs and institutions. Offered in alternate years. Not open to freshmen.

R 223. Jewish History: From the Rise of Christianity to Our Own Times. One quarter. *Two hours credit.*

Study of problems that confront the American-Jewish community, such as Jewish education, mixed marriages, anti-Semitism, the relation of the American Jew to Israel. Offered in alternate years. Not open to freshmen.

R 225, 226. Judaism: Faith and Practice. Two quarters. *Two hours credit each quarter.*

During the first quarter the basic beliefs of Judaism with particular emphasis on their historic background and development will be studied. Attention will be given to the sources and diversity of beliefs on the

*Any foreign language is permissable, but Greek is preferred.

American scene especially. In the second quarter, the institutions of Judaism, the holy days and holidays, customs, and ceremonies in the home and in the synagogue, with particular emphasis on their historic background and development and their significance for the modern Jew, will be studied. Visits to synagogues and synagogue services. Offered in alternate years. Not open to freshmen.

R 230. Hymnody. One quarter. *One hour credit.*

A survey of Christian hymns from the early era to the present day; a study of the Methodist Hymnal; practical experience in the analysis, selection, and singing of basic Protestant hymns.

R 305, 306, 307. The Theology of Paul. Three quarters. *Three hours credit. each quarter.*

Following a brief review of known biographical data, the courses will concentrate on Paul's thought as expressed in his major letters. 305: Biography and introduction to Paul's theology. 306: Galatians and Romans. 307: The Corinthian Correspondence and other Pauline epistles.

R 311, 312, 313. The Synoptic Gospels. Three quarters. *Three hours credit each quarter.*

Within the context of past and present scholarly research on the gospels, the courses will include a study of Jesus, the early church, and the gospel writers according to the witness of the Synoptic tradition. 311: History of research; introduction to the problems of Jesus' life and teachings; the parables. 312: Exegesis of Mark and Matthew. 313: Exegesis of Luke; Christology.

R 314. Acts of the Apostles. One quarter. *Three hours credit.*

In this course attempts will be made both to inform the student of the present state of scholarly research on Acts and to give him a first hand acquaintance with the text of the book. Accordingly, the course is divided into three sections: (1) Review of history of research. (2) Discussion of introductory problems. (3) Exegesis of the text.

R 321, 322, 323. History of Christian Thought. Three quarters. *Three hours credit each quarter.*

An analysis of the birth and development of theological concepts from the time of Christ until the present time. R 321: The thought of the primitive Church through the theology of Gregory the Great, 604 A.D. R 322: The theology of the Middle Ages and the Reformation. R 323: Post-Reformation theology.

R 341, 342, 343. American Protestantism. Three quarters. *Three hours credit each quarter.*

The history and thought of American Protestantism from the colonial times until the present. Prerequisites: R 201, 202, 203. R 321, 322, 323 would be beneficial.

R 400. Christian Ethics. One quarter. *Three hours credit.*

A consideration of ethical problems, current issues in light of Christian ethics and an analysis of the relation of Christian ethics to moral philosophy. Required of all seniors. Others admitted only by permission of the instructor. Exceptions and substitutions to be made by the chairman of the division.

R 401. The Gospel of John. One quarter. *Three hours credit.*

A study of the fourth gospel as to its origin, development, and ideas with particular emphasis upon the theological and philosophical implications of this work. Offered in alternate years.

R 421, 422, 423. History of Western Philosophy. Three quarters. *Three hours credit each quarter.*

A study of representative thinkers from the Greek philosophers to modern times. 421: Ancient and medieval philosophy. 422: Renaissance to modern philosophy. 423: Late nineteenth and twentieth century philosophy.

R 430, 431, 432. Senior Readings. Three quarters. *One hour credit each quarter.*

Individual readings for majors in the department.

R 450, 451, 452. Seminar in Religion and Philosophy. Three quarters. *Three hours credit each quarter.*

In a more informal and personal atmosphere great questions of the Christian faith will be discussed, and by this means an attempt will be made to develop a Christian philosophy of life. The subject under consideration will be changed each year so that there will be no duplication for students who wish to take this course more than one quarter. The instructor's permission is necessary.

(Gr 101, 102, 103. Elementary New Testament Greek. Three quarters. *Three hours credit each quarter.*

See description under Foreign Language. Does not count toward major or minor in Religion and Philosophy.)

(Gr 201, 202, 203. Intermediate New Testament Greek. Three quarters. *Three hours credit each quarter.*

See description under Foreign Language. Does not count toward major or minor in Religion and Philosophy.)

SCIENCE EDUCATION

A major in Science Education requires 60 quarter hours which must include the following courses:

(a) C 101-2-3 (General Chemistry) 12 hours
(b) B 101-2-3 (General Biology) 12 hours
(c) P 211-2-3 (General Physics) 12 hours
(d) Science electives 24 hours

In addition, the student must satisfactorily complete all the courses required by the education department for certification.

The following is a proposed curriculum for students wishing to major in Science Education.

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
C 101-2-3	12
H 101-2-3	9
M 104-5-6 or M 121-2-3	9-15
Ed 103	3
PE 101-2-3	3
	45-51

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
B 101-2-3 or B 201-2-3	12
Ed 201-2	6
Ed 303	3
R 201-2-3	9
P 211-2-3	12
PE 201-2-3	3
	54

THIRD YEAR

Subject	*Hours*
Ed 301, 307, 468	9
HEd 206, 209	6
SS 323	3
Social Science	9
Foreign Language	9
Sp 201	3
Science Electives	12
	51

FOURTH YEAR

Subject	*Hours*
R 400	3
Ed 454	6
Ed 466	6
Ed 469	3
Foreign Language	9
Science Electives	12
Electives	3
	42

A minor in General Science consists of 36 quarter hours from the following fields: biology, chemistry, mathematics, and physics. The following must be included in the minor:

(a) 24 hours in one of the fields selected above
(b) 12 hours in one of the remaining fields

All levels of courses may be counted in the required number of hours. Credit in C 207-8-9 (Survey of Physical Science) cannot be applied toward a minor in science.

THE SOCIAL SCIENCES

A major in Social Science consists of 27 quarter hours from each of two fields in the Division (history, political science and economics). A student must also present at least one nine-hour sequence from the field not selected above. In addition it will be expected that each student will complete a minimum of nine hours each in the fields of sociology and geography.

A minor in Social Science consists of 54 quarter hours of work in the Division above the 100 level. A minor must present 18 quarter hours in two fields (history, economics, and political science). A student must also present a nine-hour sequence in the field not selected above. A minor also requires a minimum of nine hours of sociology or nine hours of geography.

The following is a proposed curriculum for students wishing to major in Social Science.

FIRST YEAR

Subject	*Hours*
E 101-2-3	9
H 101-2-3	9
Foreign Language	9
Science	12
Speech	3
PE 101-2-3	3
	45

SECOND YEAR

Subject	*Hours*
E 201-2-3	9
H 204-5-6	9
Foreign Language	9
M 104-5-6	9
Economics	9
PE 201-2-3	3
	48

THIRD YEAR

Subject	*Hours*
Education	18
Political Science	9
Economics	9
History	9
R 201-2-3	9
	54

FOURTH YEAR

Subject	*Hours*
Education	18
*Sociology	6-9
*Geography	6-9
Economics	9
*R 400	3
	45

SOCIOLOGY

SS 301. Minority Problems. One quarter. *Three hours credit.*

A study of the problems of minority groups in our society. Offered in alternate years.

SS 323. Marriage and Family Relations. One quarter. *Three hours credit.*

The origin and development of the family, the family and the community, the family as a social institution, and the chief factors involved in marital adjustments.

SS 401. Population Problems. One quarter. *Three hours credit.*

A study of population trends and of social and economic problems stemming from them. Offered in alternate years.

SPEECH AND DRAMA

A minor in Speech and Drama consists of 27 hours. Credit to the extent of 6 hours in E 301-2-3 may be applied toward the minor in Speech and Drama. Those minoring in this department are required to take PE 104, 105, 106.

**Sp. 101. Voice and Diction. One quarter. Offered every quarter. *Three hours credit.*

A course in the fundamentals of voice production. Through understanding the mechanics of speech, the student learns to hear himself and then control his voice so that it is more expressive, functional, and attractive. Familiarity with the anatomy of speech production and phonetic symbols, vocal drills, and critical listening are tools of this course.

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*Religion 400 is required of all graduates. It may be substituted for 3 hours of either sociology or geography.

**May be taken to satisfy speech requirement of Foundation Curriculum.

*Sp 201. Introduction To Speech. One quarter. Offered every quarter. *Three hours credit.*

An elementary course designed to help the student in the use of voice and language, composition and delivery of speeches, with strong emphasis on conversational speech. Individual attention is given to personal speech problems. Composition and delivery of speeches are required.

Sp 202. Intermediate Speech. One quarter. *Three hours credit.*

Special study in the composition and delivery of various types of speeches; to inform, to entertain, to actuate, and to persuade. Study and appraisal of various techniques in finding, recording, organizing, and using material for speeches. Prerequisite: Sp 201.

Sp 203. Advanced Speech. One quarter. *Three hours credit.*

This course is designed to give the student an opportunity to use the techniques learned in the prerequisite courses. Speeches of various types will be delivered and a study will be made of prominent forms of public address. Prerequisite: Sp 201, Sp 202.

Sp 206-7-8. Fundamentals of Acting. Three quarters. *One hour credit per quarter.*

An approach to the techniques of acting through familiarity with and use of the various tools of the actor: analysis of the script and the contribution of the role, coordination of physical action and vocal flexibility, and knowledge of the types of theatrical production and the requirements of each. Improvisational exercises, creative problems, and classroom presentation of dramatic scenes are used to this end. Prerequisite: Sp 101 or permission of instructor.

Sp 209-10-11. Play Production. Three quarters. *One hour credit per quarter.*

A course designed to offer study of and practice in theatre crafts. An approach to both stage and lighting design is given through study of the theories involved as well as experience with the equipment of the department. Costuming and make-up are also included in the course. Practical experience is gained by working with productions of the department.

*Sp 301. Oral Interpretation. One quarter. *Three hours credit.*

Special study in the use of the voice in the interpretation of literature. Storytelling, dramatic reading, and the reading of poetry are particularly emphasized, although all literature is considered within the province of the course. Prerequisite: Sp 101 or permission of instructor.

Sp 302, 303. Development of the Drama. Two quarters. *Three hours credit each quarter.*

A study of dramatic forms, types, modes, and values as exemplified in literature and the social and economic reasons for differences. A background of the plays, playwrights, times, theatres, and occasions of production is developed.

Sp 302. Classic and Pre-Shakespearean Drama. A study of the rise of drama in Greece and its fall in Rome, its rebirth in the church, and subsequent development during the reign of Elizabeth.

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*May be taken to satisfy speech requirement of Foundation Curriculum.

Sp 303. Neo-Classic and Romantic Drama. A continuation of Classic and Pre-Shakespearean Drama through the Classic Revival and its overthrow by the Romantic Spirit.

Offered in alternate years.

Sp 305. Religious Drama. One quarter. *Three hours credit.*

Designed to awaken an appreciation of the contributions that religion has made in the development of the drama, this course will offer a study of the elements that make drama an effective element in the program of the modern church. The students will gain experience in the problems and techniques of presentation of religious drama of various types and will produce a play capable of presentation on invitation from any member church of the Holston Conference.

Sp 306, 307. Modern Drama. Two quarters. *Three hours credit each quarter.*

A study of the development of drama in the Western world since Ibsen. Important figures in the field of drama and their contributions are analyzed, and critical study is made of the most outstanding contemporary playwrights.

Sp 306. Realism in the Modern Drama. A study of the contributions and drawbacks of realism and naturalism on our contemporary theatre.

Sp 307. Experimentalism in Modern Drama. A study of various contemporary revolts against realism in the 20th century; Expressionism, Impressionism, Neo-Romanticism, and Abstractionism.

Offered in alternate years.

Sp 308-9-10. Intermediate Acting. Three quarters. *One hour credit per quarter.*

Development of individual techniques of character penetration and projection as applied to the demands of plays of different styles and periods, and intended for various types of theatrical presentation: proscenium, space, and arena stages. Prerequisite: Sp 208.

Sp 311. Discussion and Parliamentary Procedure. One quarter. *Three hours credit.*

The theory and practice of the lecture-forum, round table, symposium, and other types of discussion, their preparation and presentation. Also the rules governing the orderly presentation of such discussions according to accepted parliamentary law. Prerequisite: Sp 202.

Sp 312. Argumentation and Debate. One quarter. *Three hours credit.*

A study of the various methods of argumentation. Emphasis in the course is on putting these methods to work by participation in debate and in individual, team, and panel discussions. Prerequisite: Sp 202.

Sp 411. Rhetorical Theory and Criticism. One quarter. *Three hours credit.*

This course is designed to give the student of public speaking an understanding of the development of standards for rhetorical appraisal, investigating the facts relating to speech, formulating the criteria by which the speech is to be judged, and making an evaluation. Prerequisite: Sp 202.

DEGREES CONFERRED

AUGUST 16, 1963

BACHELOR OF ARTS

Ailene Tullock Barber
*Arthur Randall Bigham
Ruby Donald Hamilton
Sarah Virginia Middleton
Lola Belle Scott
Donna Marlene Steppe

BACHELOR OF SCIENCE

Louise Chastain Arp
Claudia McAllister Hall Beckler
Flavis J. Lee Casson, Jr.
Marie C. Clark
James Ross Dodson
Juanita A. Gentry
Tom Grizzard
Harry Jerome Gross
Kenneth Hubert Hickman
Blanche Romine Hicks
Ronald Evans Hughes
Joseph Allen Johnson
Ralph Warren Jones
Peggy Ann Kelso
Norman Peter Kerl
Johnnie McCollum Lackey
John Malcolm McKee
Marie Earley McKenzie
Mancil L. Norwood
Janet Bohannon Perkinson
Mary Chambers Randolph
Jay Wright Rhyne, Jr.
***John Maynard Rutherford, Jr.
Ronald Blan Sherrill
Bruce Quest Sloan
James Franklin Smith
Lowell Herschell Smith
Helen Shepard Taylor
Velma Poteet Watts
Grady Gene White
Jack Ward Wilson

JUNE 7, 1964

BACHELOR OF ARTS

Rodney John Ackerman
*William Hoyle Albritton
Geneva Sue Atkins
Cyrus Wesley Callahan
Ruthanna Bernice Carr
*Betty Jean Douglas
John Edmonds, Jr.
Pierce Jackson Edwards
Sandra Louise Garrison
Margaret Alice Hughes
Norman Blaine Jackson
**Ross Vernon Jennings
Judith Kay Jones
Alan Humphreys Kennedy
Donald Robert Knight
Lundy William Lovelace
LeAnn Luttrell
Paul Lee Moore
John David Pratt
*Neeta Ann Puett
*Lucy Kay Rayfield
Cathryn Ann Richesin
Mary Patricia Rowe
Agatha Mae Shumake
*Joyce Eversole Tarpley
Carolyn Wayne Tilley
*Sandra Gail Webb
Martha Louise Whatley
Elizabeth Banks Wilhite

BACHELOR OF SCIENCE

Sandra Lee Allen
Dorothea Chesnutt Bryant
*Sam Thomas Burnett
James Elmer Byrd
Benjamin Dillon Chism, Jr.
Thomas Lee Coffey
James Edwin Davis
Karen Rose Dawson
David Ross Derrick
*James Owen Ellis
William Franklin Fox
George Homan Furman, II
*Judith Whitson Furman
Judy Gail Groseclose
Sue Ella Hankins
Joseph Harrison Jenkins
Joyce Cook Kinser
*Gary Stephen Kyker
*Clifford Joseph Lynch
Milton Lewis McIlwain
*Rose Ann Malone
Mary Ann Mason
Barbara Rose Miller
Byoung So Minn
Mary Frances Mynatt
Gerald Jacinto Pedini
John Edward Penn
William Balser Petty, Jr.
William Leon Rayfield
Raymond Delane Stiles
Carl Emory Tarpley, Jr.
Mary Ann Ware
Frank Shadden Webb
Betty Jo Whitaker
Arvella Armstrong Williams
Elizabeth Jean Williams
Chew Ong Wong

HONORARY DEGREES

Doctor of Divinity

Robert Lyndon Wilcox
Samuel Robinette Dodson, Jr.

Doctor of Jurisprudence

Newell Windom Ellison

*Cum Laude
**Magna Cum Laude
**Summa Cum Laude

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